

ILADA WASTE COMPANY ST. CLAIR COUNTY DUPO, ILLINOIS ILD980497978 L⊃C#1630355003

Protection Agency



CERCLA SUPPLEMENTAL EXPANDED SITE INSPECTION

for:

ILADA WASTE COMPANY DUPO, ILLINOIS ILD980497978 LPC# 1630355003

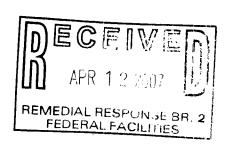
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1.0 INTRODUCTION

In September 2005, the Illinois Environmental Protection Agency's (Illinois EPA) Office of Site Evaluation Program was tasked by United States Environmental Protection Agency (U.S. EPA) Region V to conduct a Supplemental Expanded Site Inspection (ESI) at the Ilada Waste Company site in Dupo, Illinois. The Ilada Waste Company site, ILD980497978, is located in a rural area south-southeast of Dupo, St. Clair County, Illinois. The site was placed on CERCLIS in May of 1980 (U.S. EPA, CERCLIS). The address of the facility is east of Highway 3 on Imbs Station Road, Dupo, Illinois 62239. The facility is situated primarily on the north side of Imbs Station Road which is also known locally as "Old Cement Hollow Road". The facility is located in Section 33, Township 1 North, Range 10 West of the Third Principle Meridian, St. Clair County, Illinois at 38.4950 degrees N latitude, 90.2029 degrees W longitude (USGS, 7.5 Minute). The Supplemental ESI is performed under the authority of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) commonly known as Superfund.

2.0 SITE BACKGROUND

2.1 Site Description

The Ilada Waste Company (Ilada) facility is located in a rural area south-southeast of Dupo, Illinois. The facility is situated on the north side of Imbs Station Road, on the bluffs of the Mississippi River. The total area of the property is approximately 100 acres, most of which is timbered. The majority of the facility activities took place on about five acres in an area just north of Imbs Station Road which runs east to west through the property. These five acres are referred to as "facility" within this report. Alternatively,

"site" is used in this report to refer to any area where hazardous substances have come to be located (which includes areas down gradient of the facility but not necessarily a part of the Ilada property). The facility is located on a hill side which slopes down toward the south. A small unnamed stream flows southward through the center of the facility in close proximity to areas where oil production and waste oil processing activities took place (see Figures 3 & 5). The unnamed stream flows into Hill Creek, which drains the property towards the southwest. Hill Creek drains into Hill Lake Creek which leads to Palmer Creek. Palmer Creek feeds into the Mississippi River approximately 5.5 miles southwest of the property. According to the USGS Topographic Map of the area, the unnamed creek running north/south through the facility and Hill Creek are perennial streams (1991). The U.S. Department of Interior "National Wetlands Inventory" map for the area indicates that approximately 1.8 miles of forested wetland frontage exists along the surface water drainage route between the site and the Mississippi River (USDOI, Columbia). An additional 9.16 miles of forested wetlands are present along the eastern shore of the portion of the Mississippi River between the confluence of Palmer Creek and the 15-mile Target Distance Limit (USDOI, Oakville).

Two residential properties lie adjacent to the facility to the east (one is unoccupied and used for storage purposes). The second residential property is used for rental purposes and was occupied at the time of the sampling event. The rental house is located approximately 50 meters northwest of the site parking lot. Adjacent to the facility on the west is an auto repair shop followed by additional single-family homes. The home closest to the site on the west is approximately 152 meters from areas where waste material was managed on the site. Across Imbs Station Road to the south is forested land that slopes upward toward the south. To the north of the facility is also forested land increasing in elevation with distance from the site.

The flada site was originally used for crude oil production beginning in 1939. Under normal operations a mixture of crude oil and brine was pumped from two facility oil wells into gun-barrel tanks during oil production operations. The oil and brine were separated in these tanks. The oil was then sold locally as fuel and the brine was stored in lagoons and storage tanks. Waste brine was disposed in a 3,000 foot deep injection well. (Black & Veach, 1993)

From 1979 until 1982, Ilada leased and operated the facility primarily for crude oil production but waste oil from various sources was also recovered for resale and for process oil (Black & Veach, 1993). Waste oil was processed in a still at the facility by heating it to separate water and sludge from the oil (Black & Veach, 1993). The separated water was disposed in the injection well and the sludge was either disposed in the injection well or sold for road dust control (Black & Veach, 1993). Ilada also reportedly received waste oils from Shell Oil and Bliss Oil (Mensing, August 3, 1981; Mensing, June 3, 1983).

A site reconnaissance of Ilada was conducted on October 31, 1995 by Illinois EPA. At this visit, there was little physical evidence left of the activities that took place during Ilada's waste oil operations at the facility. The surface impoundments had been filled and most of the above ground storage tanks were taken down or demolished. Some of the oil wells were still in operation, but the injection well was not being used at the time of this inspection (Illinois EPA, STEP).

Several municipalities in the area receive drinking water from a surface water intake on the Mississippi River which is located outside of the 15 mile target distance limit. Two municipal wells serving approximately 6335 persons in the city of Dupo are located within 2.5 miles of the facility. The city of Dupo also serves residents living along Imbs Station Road. Illinois EPA has analytical data for non-processed (raw) ground water from the Dupo municipal wells on 16 separate sampling events from July 3, 1996 to August 28, 2007. Analysis performed on the wells includes a wide range of organic and inorganic compounds including the primary contaminants of concern at Ilada. Analysis results appear to indicate that contamination from the facility has not impacted water quality at the public wells used by Dupo. Results were below the groundwater quality standards established in 35 Illinois Administrative Code Part 620.410, with the exception of iron and manganese. The Illinois EPA considers these elevated levels the result of natural mineralization in the sand and gravel aquifer used by the wells.

A group of three public wells owned by the Schmid Lake Subdivision are located within approximately 3.7 miles northwest of the facility. The wells were initially considered to be private wells, but after the discovery by Illinois EPA that the wells were serving over 25 people, the designation of "Community Water Supply Well" was assigned to the wells. As a result of the increased requirements for public wells, the owners rendered the wells inactive and residents in this area are on public water supplied by Illinois American Water Company from a surface water intake on the Mississippi River. No analytical data is available on the wells originally used by the Schmid Lake Subdivision.

At one time there were numerous private wells within the four-mile target distance limit, and approximately three wells within one-half mile of the site. However, it is unclear whether the private wells within the four-mile target distance limit are currently in use for drinking water purposes. (ISGS, Oracle) Attempts to locate a residence with an active private drinking water well were unsuccessful.

View?

2.2 Site History

Crude oil has been produced at the facility near Dupo, Illinois since 1939 (Black & Veach, 1993). Sanborn fire insurance maps could not be identified for the facility. Aerial photos of the site show the presence of what appears to be lagoons or surface water bodies near historical operation areas as far back as 1958. The site consisted of two oil wells and one deep injection well for brine disposal (Harding). In 1977, the original owner, Victor Nettle, leased the operation of the facility to Ilada Energy Company (Buser).

From 1979 to 1982, the site utilized numerous tanks in their waste oil operations (Nelson). There were three 40,000 gallon tanks for processing and storage; four 20,000 gallon tanks for storage prior to processing; a large blue tank was used for storage of product for sale; as well as lagoons containing liquids used for unspecified purposes (Mensing, 1982; Nelson). The crude oil production operation utilized two tanks and brine lagoons and one 180,000 gallon tank (Mensing, 1982; Nelson). The brine injection well was used by both the waste oil and crude oil processing operations (Mensing, 1982; Nelson).

In 1979, Ilada filed an application with the Illinois EPA to develop the facility as a waste management facility (Mensing, 1981). The property owner, Mr. Nettle, authorized use of the facility for this purpose (Mensing, 1981). In January 1981, applications to renew the developmental permit as well as an application for operation of a Resource Conservation Recovery Act (RCRA) waste management facility were submitted to the Illinois EPA (Cavanagh). On April 6, 1981, Illinois EPA denied both applications because the property owner refused to sign the permit application (Cavanagh).

According to the owner, however, Ilada continued un-permitted operations at the facility and was disposing wastes in the injection well (Mensing, 1981). Some unprocessed waste oil was allegedly disposed in the injection well, used on roads for dust control, or processed at the facility, blended with crude oil, and sold as fuel (Mensing, 1981). In 1982, the facility was sold to Larson Industries (Illinois EPA, STEP). Waste oil processing operations were discontinued at that time and the facility returned solely to oil production operations (Illinois EPA, STEP).

2.3 Previous Investigations

In 1981 and 1983, Illinois EPA collected samples from tanks, soils, the two oil wells, the injection well, and surface water/sediments at the facility. Varying concentrations and combinations of hydrocarbons, polychlorinated biphenyls (PCBs), metals, and trichloroethylene (TCE) were detected in one of the oil wells, the injection well, the lagoons, and the storage tanks. PCBs and lead were detected in a downstream sediment sample from Hill Creek, which runs along the southern side of the property. PCBs were also detected in soils (Black & Veach, 1995).

In June 1983, PEDCo Environmental Inc. (U.S. EPA contractors) collected samples from the waste injection well and two oil production wells. The injection well had PCB concentrations ranging from 41 parts per million (ppm) to 76 ppm. Soil samples were also collected from lagoon areas, production areas, and tank areas. Concentrations of PCBs in soils ranged from 0.2 ppm to 78 ppm (Black & Veach, 1995).

On July 3, 1986, U.S. EPA Contractors Ecology and Environment conducted a Site Inspection which included file reviews and a site visit. No samples were collected. On June 9, 1993, U.S. EPA contractors Black & Veach prepared a Site Inspection

Prioritization Report in which they recommended additional samples for the site. In August 1995, Black & Veach conducted a site reconnaissance and prepared a Focused Site Inspection Prioritization Report summarizing historical facts regarding the facility (Black & Veach, 1995).

In 1995, Illinois EPA conducted additional sampling at the facility as part of a Site Team Evaluation Prioritization (STEP). According to the STEP report, PCBs were detected in both facility soils and in sediments downstream from the main portion of the facility in Hill Creek (Illinois EPA, STEP).

2.2 Site Geology

The facility is situated atop a bluff composed of limestone bedrock with elevations 100 to 200 feet above the Mississippi River floodplain (USGS, 7.5 Minute; Southwestern). These bluffs are reportedly covered by 30 to 70 feet of clayey loess (Southwestern). This does not appear to hold true throughout the entire area as exposed bedrock was observed during the site reconnaissance. The Middle and Upper Mississippi formation underlying the property exhibit karst characteristics (USGS, 7.5 Minute; Southwestern, Panno et al.). This formation is primarily composed of limestone with layers of shale and sandstone interbedded (Southwestern). Sinkholes are abundant in the region surrounding the site (USGS, 7.5 Minute; Panno et al.). "Sinkholes are topographic depressions that characteristically form in landscapes with internal drainage (drainage that occurs underground within the bedrock instead of on land surface in streams)" (Panno et al.).

The bluff overlooks the Mississippi River floodplain which consists of approximately 100 to 200 feet of sand and gravel alluvial deposits (Black & Veach, 1993). These alluvial

deposits encompass a large area in parts of Illinois and Missouri around St. Louis and are referred to as the "American Bottoms" (USGS, 7.5 Minute). These deposits come within ¼ mile of the site before ending against the limestone bluffs (Black & Veach, 1995). The depth to the alluvial aquifer (the aquifer of concern) from the surface is roughly 50 feet (Black & Veach, 1995). The alluvial aquifer is the Lower Mississippi and appears to be interconnected to the Upper and Middle portions of the system due to similar water level elevations and the absence of hydraulic barriers (Black & Veach, 1995).

3.0 SUPPLEMENTAL ESI ACTIVITIES

3.1 Sampling Activities

The sampling activities conducted under the Supplemental ESI were conducted at the llada site during the week of July 31, 2006. The objective of the assessment was to collect the data that would be necessary to provide documentation for a Hazard Ranking System scoring package to evaluate whether the site is eligible for inclusion on the National Priorities List. Soil samples were collected from various locations throughout the site to identify contaminants remaining from various oil and waste processing operations. Sediment samples from on-site drainage ways and Hill Creek were obtained to determine if contamination may have migrated off site due to overland flow. An attempt was made to collect groundwater samples to evaluate the facility's impacts on groundwater beneath the facility and private drinking water wells near the facility. However, sampling equipment could not be introduced into the aquifer to collect groundwater samples beneath the site due to the presence of limestone bedrock near the site's surface. Interviews conducted with local residents during the sampling event confirmed that residents near the site had been connected to a public water supply and

that no private wells were in-use within 0.5 miles of the site. Private well sampling at distances greater than 0.5 miles was not pursued because of the distance from the facility and lack of on-site and near-site ground water data.

All soil and sediment samples were collected in accordance with the Illinois EPA's Bureau of Land (BOL) Sampling Procedures Guidance Manual dated September 1996 and Illinois EPA's approved Quality Assurance Project Plan dated 3/3/2003. Soil samples were obtained using either a stainless steel hand auger or the Geoprobe (Section 3.1.2) and placed into sample containers using a stainless steel trowel. Sediment samples were collected with a stainless steel auger and a stainless steel trowel. Sediment sampling locations are shown on Figures 2 and 3 with Figure 2 focusing primarily on the samples collected within the facility boundaries. Soil sample locations are provided on Figure 2. Table 1 provides a more detailed description about each sample collected during the supplemental ESI.

3.1.1 Sediment Sampling

A total of 18 sediment samples were collected from 16 locations during the Supplemental ESI. Sediment samples X201 – X205 and X207 – X209 were collected down-stream from the facility in Hill Creek in order to determine if any contaminants from the facility entered the surface water and migrated downstream. Sediment samples X210 and X216 were collected from Hill Creek within the boundaries of the facility. Samples X211, X212, and X213/X214 were collected from an unnamed perennial creek / drainage way that flows southward through the facility before connecting with Hill Creek in the southwest portion of the facility. During the sampling event, the laboratory contacted the field crew and indicated that the jar containing the

semi-volatile/pesticide/PCB fraction of sediment sample X203 had arrived broken at the lab. Therefore, the sediment sampling location was re-visited and the semi-volatile/pesticide/PCB fraction of X203 was collected again and designated X230.

Three sediment samples were collected in order to determine conditions of the creeks prior to potential impacts from the facility. Sediment sample X215 was a background sample for the unnamed creek / drainage way that flows south-southwest through the center of the facility. Sample X215 was collected approximately 75 meters northeast of the facility from the unnamed creek / drainage way before it enters the facility. Sample X217 was a background sample for Hill Creek. Sample X217 was collected from Hill Creek approximately 15 meters east of the facility. Lastly, sediment sample X206 was a background sample for an unnamed creek that flows into Hill Creek from the southeast. The confluence of the unnamed creek and Hill Creek (nearby where X206 was collected) is approximately 625 meters down gradient of the facility towards the southwest. Specifically, sediment sample X206 was collected from an unnamed creek approximately 10 meters up gradient of the confluence of the unnamed creek and Hill Creek.

Sediment sampling locations are shown on Figures 2 and 3 with Figure 2 focusing primarily on the samples collected within the facility boundaries. Table 1 provides a more detailed description about each sediment sample collected during the supplemental ESI.

3.1.2 Soil Sampling

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A total of 18 soil samples were collected from 15 locations within the facility boundaries as a part of the Supplemental ESI for the Ilada site. Soil sampling locations were based

primarily on site drawings and aerial photographs with the intent of sampling soil from areas where oil/waste processing or storage operations occurred. In addition, two background soil samples were collected from two locations south of the facility and south of Imbs Station Road. The two background soil samples, X120 and X121 were collected in order to quantify contaminant levels in soils that had not been impacted by facility operations.

Soil samples X106, X107, X112, X113, X116, X117, X120, and X121 were collected using a stainless steel auger and stainless steel trowels. Illinois EPA's Geoprobe® Model 5400 (Geoprobe) Unit was used to collect all other soil samples from the facility. The Geoprobe is a hydraulically powered unit that uses both static force and percussion to advance sampling and logging tools into the subsurface. Four-foot soil cores were obtained by advancing a four-foot Macro-Core Sampler® into the ground. The soil cores were collected in a plastic sleeve during advancement of the sampler, which can be cut allowing access for logging and sampling purposes. The cores were brought to the surface and were characterized using visual and olfactory observations to identify any staining or other potential signs of contamination. A Foxboro Toxic Vapor Analyzer (TVA) was used to evaluate organic vapors released from soils. Boring Logs are provided in Appendix B for soil sampling locations where the Geoprobe was used to collect geologic information along with soil samples. Soil sampling locations are shown on Figures 2. Table 1 provides a more detailed description about each sediment sample collected during the supplemental ESI.

3.2 Analytical Results

Following sample collection, all samples were transferred to containers. The sample containers were packaged and sealed in accordance with Illinois EPA's Office of Site

Evaluation Program procedures. Soil and sediment samples requiring low-level inorganic analysis were sent to Liberty Analytical in Cary, North Carolina. Soil and sediment samples collected for low-level organic analysis were shipped to Shealy Environmental in Cayce, South Carolina. With few exceptions, all samples were analyzed for Target Compound List (TCL) volatiles, semi-volatiles, pesticides/PCBs, pH, and inorganics. Soil, sediment, and waste samples suspected of medium to high-level contamination (based on TVA readings, visual, or olfactory observations) were sent to the State of Illinois EPA's Laboratory. A complete analytical data package, including quality assurance review sheets, for the Ilada Waste Company site is located in Appendix E (volume 2 of the Supplemental ESI Report).

3.2.1 Sediment Results

Analytical results for sediments were compared to background concentrations in order to determine whether or not site activities have impacted sediments or surface water in the area surrounding the site. As described in detail in Section 3.1.1, three background sediment samples (X206, X215, and X217) were collected in order to compare conditions of the creeks before and after any potential influence from the facility. Samples X206 and X215 were obtained to ensure that the small unnamed creeks flowing into Hill Creek from the north (X215) and from the southeast (X206) were not contributing any contamination Hill Creek. Sample X217 was collected to compare contaminant concentrations in Hill Creek as it enters the facility to contaminant concentrations of Hill Creek inside the facility and after exiting the facility.

The analytical results for sediment sample X217 identified many of the same semi-volatile compounds and PCBs (Arochlor-1260) that were found in the center of the facility, indicating that the site, or a similar operation upstream, had impacted Hill Creek at the location of X217. After sample X217 was collected, oily material was identified in

a driveway east of the site. (The property with the oily material in the driveway was once owned by a relative of the owner/operator of the Ilada facility, indicating that the material may have been removed from the site and placed in the driveway which was adjacent to Hill Creek.) Sample X217 is up gradient of samples X216 and X210 and the geographic area represented by X217 should portray background conditions for those samples. However, analytical results for X217 indicated that X217 was impacted either from the facility or other unknown source. Therefore sediment sample X217 was removed from consideration as a background sample and an "un-impacted" background sample was selected to be more conservative.

Analytical results for background sediment sample X215 also identified several semi-volatile compounds found at the facility, but at lesser concentrations. In consideration analytical results from X217 and the fact that the unnamed creek represented by X215 flows through the center of the facility and into Hill Creek, sample X215 was selected to represent background conditions. Concentrations in sediments throughout the site will be compared to sample X215 in order to determine whether or not a release to the environment has occurred..

Background sample X206, collected from an unnamed creek that flows into Hill Creek approximately 625 meters down gradient of the facility also contained several semi-volatile compounds found at the facility, but at lesser concentrations. Sediment samples collected down gradient of sample X206 will be compared to the higher of contaminant concentrations of either X206 or X215. For the purposes of evaluation under the Hazard Ranking System (HRS), sediment concentrations are compared to background concentrations and [in most cases] any contaminants present at three-times the

background concentrations are considered attributable to the site and are termed "an observed release" (U.S. EPA, HRS).

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Laboratory results for sediments were also compared to ecological benchmarks to help determine whether site activities have impacted sediments or surface water in the area surrounding the site. Two sources of benchmarks were used for this comparison:

Ontario sediment quality guidelines and U.S. EPA ecotoxicological ("ecotox") thresholds. The results of this comparison are provided in Section 6 of this document.

Analytical results for sediment samples collected during the Supplemental ESI are provided in Tables 2 – 6 of this report. Background concentrations as well as ecological benchmarks (where available) are provided along with the analytical results in the tables. Figures 2 and 3 identify sediment sampling locations for the Supplemental ESI.

Two sediment samples met the observed release criteria for cyanide. The samples that met observed release criteria for cyanide were X213, X214. There were no sediment samples that met the observed release criteria for volatile organic compounds.

A total of 11 sediment samples met the observed release criteria for semi-volatile compounds. The samples that met observed release criteria for semi-volatile organics were X201, X230 (X203 see Section 3.11), X204, X207, X208, X209, X210, X212, X213, X214, X216. Nine different semi-volatile compounds were identified in sediment samples at concentrations that met observed release criteria. Benzo(a)pyrene, chrysene, fluouranthene, and pyrene were the semi-volatile compounds most prevalent

concentrations meeting observed release criteria. Sediment samples X208 and X209 contain the most semi-volatile compounds that meet observed release criteria.

Six sediment samples met observed release criteria for pesticide compounds, X204, X208, X209, X210, X212, and X216. Endrin, Endrin aldehyde, and 4,4'-DDT were the compounds detected at concentrations meeting observed release criteria most often. Seven sediment samples met observed release criteria for Arochlor-1260, a PCB compound. The samples that met observed release criteria were X230 (X203), X208, X209, X210, X212, X214, and X216.

3.2.2 Soil Results

Soil samples were collected at the facility in an attempt to characterize potential sources of contamination. Shallow soils were collected in order to identify contaminant concentrations for soil exposure while soil samples collected at depths greater than 2 feet below ground surface were intended to help identify the vertical extent of contamination.

Analytical results for soil samples collected during the Supplemental ESI are provided in Tables 7 -- 11 of this report. Background concentrations are provided along with the analytical results in the tables. Figure 2 identifies soil sampling locations for the Supplemental ESI.

3.2.2.1 Shallow Soil Results

A total of 11 shallow soil samples were collected during the Supplemental ESI. Soil samples X120 and X121 were collected to evaluate background conditions. Based on

analysis results, the highest concentration for each contaminant was used from either X120 or X121 to represent background concentrations.

A total of six shallow soil samples contained inorganic constituents at concentrations that met observed release criteria. Six different metals were detected at concentrations meeting observed release criteria. Lead and calcium were detected most often, in four out of ten samples, at concentrations meeting observed release criteria. The shallow soil samples that met observed release criteria for inorganics were X105, X108, X110, X111, X113, and X119A. Table 7 contains the inorganic analytical results for shallow soil samples.

A total of 23 volatile organic compounds (VOCs) were detected in five shallow soil samples at concentrations that met observed release criteria. The majority of the compounds were detected in soil sample X111. Soil samples X105, X108, X110, and X113 contained a total of five different VOCs, with acetone being detected most often, possibly due to laboratory contamination. Table 8 contains the VOC analytical results for shallow soil samples.

A total of 20 semi-volatile organic compounds were detected in five shallow soil samples at concentrations that met observed release criteria. Shallow soil sample X111 contained 19 semi-volatile compounds detected in soils. Soil samples X104, X105, X108, X110, and X113 contained a total of 15 different semi-volatile compounds. Benzo(a)pyrene, phenanthrene, and pyrene were the compounds detected most often. Table 9 contains the semi-volatile organic analytical results for shallow soil samples.

A total of 15 pesticide compounds were detected in seven shallow soil samples at concentrations that met the observed release criteria. The samples that met observed release criteria for pesticide compounds were X103, X104, X105, X108, X111, X113, and X119A. The pesticides endrin and endrin aldehyde were detected most often at concentrations that met observed release criteria. Table 10 contains the pesticide analytical results for shallow soil samples.

Three polychlorinated biphenyl compounds (Arochlor-1016, Arochlor-1248, and Arochlor-1260) were identified in eight shallow soil samples at concentrations that met observed release criteria. Shallow soil samples X103, X104, X105, X108, X110, X111, X113, and X119A were the soil samples with concentrations meeting observed release criteria for one or more PCB compounds. Arochlor-1260 was detected most often in shallow soil samples (in all nine shallow soil samples at concentrations that met observed release criteria). Table 11 contains the PCB analytical results for shallow soil samples.

3.2.2.1 Deep Soil Results

Sand?

A total of eight deep (greater than two feet below ground surface) soil samples were collected during the Supplemental ESI. Analytical results from the deep soil samples were compared to the results of background samples X120 and X121 to determine whether or not the sample met observed release criteria.

A total of three deep soil samples contained inorganic constituents at concentrations that met observed release criteria. Five different metals were detected at concentrations meeting observed release criteria. Manganese was detected most often, in two out of eight samples, at concentrations meeting observed release criteria. The

deep soil samples that met observed release criteria for inorganics were X101B, X107, and X118. Table 7 contains the inorganic analytical results for deep soil samples.

A total of 23 VOC compounds were detected in six deep soil samples at concentrations that met observed release criteria. Soil samples X101B, X102, X106, X107, X118, and X119B all contained concentrations of VOCs that met observed release criteria. The majority of the compounds were detected in soil samples X106 and X107. The compounds isopropylbenzene and cyclohexane were detected most often at concentrations that meet observed release criteria. Table 8 contains the VOC analytical results for deep soil samples.

A total of 24 semi-volatile organic compounds (SVOCs) were detected in six deep soil samples at concentrations that met observed release criteria (X101B, X102, X106, X107, X116, and X118). Deep soil sample X116 contained 16 SVOCs at concentrations meeting observed release criteria. Soil samples X104, X105, X108, X110, and X113 contained a total of 15 different SVOCs. Benzo(a)pyrene, phenanthrene, and benzaldehyde were the compounds detected most often. Table 9 contains the SVOC analytical results for deep soil samples.

A total of 18 pesticide compounds were detected in five deep soil samples at concentrations that met the observed release criteria. The samples that met observed release criteria for pesticide compounds were X101B, X102, X106, X107, X116, X117, and X119B. The pesticides Endrin and Endrin aldehyde were detected most often at concentrations that met observed release criteria. Table 10 contains the pesticide analytical results for deep soil samples.

Arochlor-1260 was the only PCB identified in deep soil samples at concentrations that met observed release criteria. Soil samples X106, X107, X116, and X117 were the soil samples with detected concentrations of PCB compounds that met observed release criteria. Table 11 contains the PCB analytical results for deep soil samples.

3.2.3 Waste Results

In addition to shallow and deep soil samples, one waste sample (X112) was collected at the facility from a petroleum-like waste inside a large open-top tank referred to in historical reports as an oil-water separator tank, located south of the injection well (Black & Veach, 1995). The analytical results from waste sample X112 were not compared to background levels. Instead analytical results are discussed in general terms below, providing a general comparison between sample X112 and the remainder of facility samples.

Analytical results for inorganic compounds were not markedly different from soil samples collected at the facility, in most cases, with only magnesium and calcium concentrations significantly higher in the waste sample. Similarly, VOC, SVOC, pesticide, and PCB compounds were all similar or significantly less in the waste sample than were identified in soil samples from the facility.

4.0 SITE SOURCES

This section includes descriptions of the various hazardous waste sources that have been identified at the Ilada Waste Company. The HRS defines a "source" as: "Any area where a hazardous substance has been stored, disposed or placed, plus those soils that

have become contaminated from migration of the hazardous substance" (U.S. EPA, HRS). The definition of a "source" does not include surface water or sediments below surface water that has become contaminated (U.S. EPA, HRS).

Information obtained during the Supplemental ESI identified a total of seven separate sources that contribute to overall contamination at the facility and site. The seven known sources are identified as: Source 1– Waste Disposal Area; Source 2 – Waste Processing Area; Source 3 – Central Waste Processing Lagoon; Source 4 – Petroleum and Waste Lagoon; Source 5 – Southwest Waste Processing Lagoon; Source 6 – Product Shipment Area; and, Source 7 – Parking Lot. The sources are described below in more detail.

A desktop Geographic Information System (GIS) was used to aid in aerial photograph analysis and calculations for the size of the sources. Source perimeter and area calculations were performed using the computer program ArcGIS produced by ESRI. A script was used within ArcGIS to calculate the area (in square meters) of contamination for each of the sources. The sources are identified on Figure 5 of this report.

4.1 Source 1 – Waste Disposal Area

Analysis of historical aerial photographs from 1968, 1981, and 1988 allow identification of a distinct geographical area immediately south of the "open-toped tank" or "oil/water separator tank" on the north portion of the facility. Black & Veach's 1995 report identified oil-soaked soils in this region along with a brine-water sump and associated pit. Several small tanks/drums can be identified in this area from historical photographs. The geographic extent of the source area was determined by lack of significant vegetation in aerial photographs and during site visits, as well as visibly contaminated

soils noted during the fieldwork for the supplemental ESI. The area encompasses 3,370 ft² and is considered contaminated soil for HRS purposes. Soil sample X108 provides analytical representation for the source. The primary contaminant of concern in this area is Arcchlor-1260 at 0.13 parts per million.

4.2 Source 2 – Waste Processing Area

From 1979 to 1982, the site utilized numerous tanks in their waste oil operations (Nelson). In the central portion of the facility were three 40,000 gallon tanks for processing and storage (Nelson). A historical aerial photograph from May 20, 1981 shows the three tanks, along with numerous other tanks and a still used to process waste oils brought into the facility. A perimeter was drawn around all of the tanks and the still (encompassing areas lacking in significant vegetation) in ArcGIS. The area encompasses 13,896 ft² and is considered contaminated soil for HRS purposes. Soil samples X119A provides analytical representation for the source. Sample X118 was also taken inside the source perimeter but was too deep (greater than 2 feet below ground surface) to be representative of contaminated soil for HRS purposes. The primary contaminant of concern in this area is Arochlor-1260 at 0.5 parts per million.

4.3 Source 3 – Waste Processing Lagoon

A large pit containing water and oil scum was identified in the central portion of the site during a site visit conducted in April of 1982 (Mensing, 1982). Mensing stated that the pit (lagoon) was located in between the three 40,000 gallon tanks and the creek at the facility (1982). The lagoon is identifiable in the aerial photograph from May 20, 1981. The geographic extent of the lagoon was measured in ArcGIS. The area encompasses 2,573 ft² and is considered a surface impoundment for HRS purposes. Soil samples X113 and X116 provide analytical representation for the source. The primary

contaminants of concern in this area are Arochlor-1260 at 75 ppm and Arochlor-1248 at 12 parts per million.

4.4 Source 4 – Petroleum and Waste Lagoon

A large pond or pit containing water (and possibly waste) is identifiable in the north-central portion of the facility in the aerial photograph from May 20, 1981. During site visits conducted in July of 2006, the property owner stated that there were lagoons in the vicinity. The geographic extent of the lagoon was measured in ArcGIS. The area encompasses 4,995 ft² and is considered a surface impoundment for HRS purposes. Soil samples X106 and X107 provide analytical representation for the source. The primary contaminants of concern in this area are Trichloroethylene at 300 ppm, and Arochlor-1:260 at 45 parts per million.

4.5 Source 5 - Southwest Waste Processing Lagoon

A large pit containing water and oil scum was identified in the southwest portion of the site during a site visit conducted in April of 1982 (Mensing, 1982). Mensing stated that the pit (lagoon) was located west of four blue horizontal tanks (1982). The lagoon is identifiable in the aerial photograph from May 20, 1981. The geographic extent of the lagoon was measured in ArcGIS. The area encompasses 2,233 ft² and is considered a surface impoundment for HRS purposes. Soil samples X101A, X101B, and X102 provide analytical representation for the source. The primary contaminants of concern in this area are Aroclor-1260 at 0.5 ppm, phenanthrene at 2.9 ppm, and pyrene at 1.1 parts per million.

4.6 Source 6 - Product Shipment Area

A distinct geographical area can be identified surrounding the "crude oil tank" in the south-central portion of the facility in the historical aerial photograph from 1981.

According to the owner, this tank was used to store crude oil prior to shipment off-site for refining. A perimeter around the area was drawn based on the appearance of stressed vegetation in the 1981 photo and in consideration of the product transfer activities that took place surrounding the tank. The area encompasses 4,777 ft² and is considered contaminated soil for HRS purposes. Soil sample X110 and X111 provides analytical representation for the source. The primary contaminant of concern in this area is Arochlor-1260 at 3.2 ppm and benzo(a)pyrene at 3.8 parts per million.

4.7 Source 7 – Parking Lot

During a site visit conducted in July 2006, a tar-like material was identified in certain portions of gravel parking lot areas/roads on the south side of the facility near existing buildings. During conversations with the current owner, he stated that during previous operations, waste oil was sprayed on the parking lot areas/roads to keep the dust down. The historical aerial photograph from 1981 was evaluated to delineate the gravel areas on the south side of the facility. The area encompasses 25,998 ft² and is considered contaminated soil for HRS purposes. Soil sample X103/X104 and X105 provide analytical representation for the source. The primary contaminant of concern in this area is Arochlor-1260 at 1.9 parts per million.

5.0 MIGRATION PATHWAYS

The Office of Site Evaluation identifies three migration pathways and one exposure pathway, as identified in CERCLA's HRS, by which hazardous substances may pose

threat to human health and/or the environment. Consequently, sites are evaluated on their known or potential impact to these pathways. The pathways evaluated are ground water migration, surface water migration, air migration, and soil exposure.

5.1 Ground Water

No ground water was encountered or sampled beneath the site. An electronic Oracle database maintained by the Illinois State Geological Survey (ISGS) was accessed in order to determine the potential number of drinking water wells in the area surrounding the site. The ISGS database contains data available as of December 2004 and is an archive of well data for the State of Illinois, which includes data that have been computerized from records submitted to the ISGS under regulatory programs of the State. The following table identifies the number of drinking water wells based on distance from the center of the facility.

Distance from Facility	Number of Drinking Water Wells
0 - 0.5 Miles	0
0.5 – 1 Miles	6
1 – 2 Miles	30
2 - 3 Miles	88 ¹
3 - 4 Miles	111 ²

Notes: 1. Includes two community water supply wells used by City of Dupo.

2. Includes three community water supply wells used by Schmid Lake Subdivision

No ground water samples could be collected on site to evaluate this pathway and homeowners in the immediate vicinity (within 0.5 miles of the site) were on public water supply). However, the presence of karst geologic conditions in the area could facilitate rapid migration of contaminants through the ground water.

The Village of Dupo's wells were sampled on August 24, 1999 as part of a Statewide Groundwater Monitoring Program. The samples were analyzed for volatile organic compounds (VOC), synthetic organic compounds (SOC), and inorganic chemicals (IOC). Review of the VOC and SOC data did not indicate quantifiable levels of organic compounds. Review of the IOC analyses indicated that parameters are consistent with other wells utilizing similar aquifers in Illinois. It is important to note that the IOC results were below the groundwater quality standards established in 35 Illinois Administrative Code Part 620.410, with the exception of iron and manganese. The iron concentrations ranged between 10,000 and 12,000 parts per billion (ppb). Manganese concentrations ranged from 250 to 310 ppb. These detections exceed the Ground Water Quality Standards of 5,000 ppb for lead and 150 ppb for manganese. The Illinois EPA considers these elevated levels the result of natural mineralization in the sand and gravel aquifer.

5.2 Surface Water

Sediment samples were collected inside facility boundaries and down gradient of the facility to determine if contaminants had migrated toward the southwest from the facility through surface water. Hill Creek flows westward through the facility and after being joined by an unnamed creek from the north, flows off the facility. Hill Creek drains into Hill Lake Creek which leads to Palmer Creek. Palmer Creek feeds into the Mississippi River approximately 5.5 miles southwest of the property. According to the USGS Topographic Map of the area, the unnamed creek running north/south through the facility and Hill Creek are perennial streams (1991).

5.2.1 Source and Containment Evaluation

Sample X216 collected in Hill Creek south of the source identified as "Central Waste Processing Lagoon" represents the Probable Point of Entry (PPE) for the site. The

lagoon was backfilled at some point following closure of waste operations and run-off from the area now flows overland approximately 15 feet into the creek, just upstream of sampling location X216. In addition, historical memoranda indicated that the lagoon had to be pumped to keep it from overflowing into the creek as a potential migration pathway. Contaminants identified in soil samples obtained from the lagoon area are also found in sample X216 and other samples down stream. The Central Waste Processing Lagoon is not controlled, lined, etc. and therefore contaminants can migrate into the adjacent creek.

Sources identified as Waste Disposal Area and Petroleum and Waste Lagoon are located adjacent to the unnamed creek flowing southward through the center of the facility. Both sources are not controlled, lined, etc. and therefore contaminants can migrate into the adjacent creek. Both sources have a containment factor of ten. The unnamed creek flows within 10 – 15 feet of each source and the banks of the creek are at lower elevations than the elevation of the sources, providing numerous overland flow patterns to the creek, approximately 20 – 25 feet in length.

The Waste Processing Area is also not controlled or lined and therefore has a containment factor of ten. A ditch passes through the area, draining contaminants towards the south, and ultimately into Hill Creek. The overland flow path from source to the creek is approximately 25 feet.

The Parking Lot, Product Shipment Area, and Waste Processing Area sources are all aligned on the southern boundary of the facility. All three sources are uncontrolled and unlined and therefore have containment factors of ten. Surface water run-off from each source would flow southward into a ditch that runs parallel to Imbs Station Road, which

empties into Hill on the southwest corner of the facility. Including the distance from each source into the ditch, and the distance contaminants would have travel in the ditch before emptying into Hill Creek, the distance for the overland flow for each source is as follows: Parking Lot – 633 feet; Product Shipment Area – 512 feet; and, Waste Processing Area – 334 feet.

A release to surface water was established through sediment samples collected inside facility boundaries in the unnamed perennial creek and in Hill Creek. Samples X212 and X214 were collected from an unnamed creek and established a release to surface water for the semi-volatile organic compounds and PCBs (specifically Aroclor-1260). Sample X216 and X210 establish a release to Hill Creek inside the facility for SVOCs and PCBs.

Sediment samples collected down gradient of the facility also established a release to Hill Creek. A release to surface water for semi-volatile organic compounds was established with sediment samples throughout Hill Creek as far down stream as 1500 meters (sample location X201). A release to surface water for PCBs was established as far down stream as 870 meters (sample X203).

In accordance with HRS, the hazardous substance migration path is evaluated as an "inwater segment" from the PPE 15-miles down stream to target distance limit. Potential targets (wetlands, sensitive environments, surface water intakes, fisheries) are evaluated within the 15-mile migration path, ending at the Target Distance Limit (HRS Guidance).

There were no recreational areas or endangered species identified within the 15-mile

Target Distance Limit (TDL). National Wetland Inventory Maps produced by

Department of Interior (DOI) were used to identify wetlands down gradient of the facility.

Forested wetlands were identified down gradient of the facility within the 15-mile TDL

and are exposed to potential contamination as identified in the table below.

Distance	Wetland Frontage	Water Body	Reference
3,940 Meters	20 Meters	Hill Lake Creek	DOI, Columbia
6,238 Meters	55 Meters	Hill Lake Creek	DOI, Oakville
10,470 Meters	220 Meters	Meters Mississippi, East Channel DOI, Oakville	
11,738 Meters	14,742 Meters	Mississippi River	DOI, Oakville

The Mississippi River is considered a fishery exposed to potential contamination.

Approximately 9.16 miles of the Mississippi River is included within the 15-Mile TDL.

Illinois Department of Natural Resources tracks total pounds of fish caught commercially in certain parts of the Mississippi each year. The average pounds of fish harvested commercially from the years 2001 to 2005 from Lock and Dam 26 to Cairo, Illinois (203 miles) was 595,061 pounds (Maher). Based on information provided by Illinois

Department of Natural Resources, it is estimated that approximately 26,382 pounds of fish are harvested from the 9 miles of the Mississippi River within the 15-Mile TDL.

5.3 Soil Exposure

All seven sources identified inside of the facility boundaries have associated contamination within two feet of the ground surface. There are no residents living within the facility boundaries and no on-site workers. There are no fences around the facility

or any of the sources that would restrict access of trespassers to the facility. Based on proximity, surficial contamination at the facility is assumed to be either placed or accidentally spilled primarily within the boundaries where the sources currently exist.

Nearby population was calculated based on data generated by the United States

Census Bureau from the 2000 Census. The data was queried on the Census Bureau's website: American Factfinder. The website has a utility to generate a variety of maps and was used to display total population as persons per square mile by block group for the area surrounding the site. The table below identifies approximate populations within 1/4, 1/2, 1, and 4 miles of contaminated soil at the facility.

Distance from Facility	Population
.25 Miles	50
0.5 Miles	201
1 Mile	1813
4 Miles	15432

Source: U.S. Census Bureau, Census 2000 Summary File, Matrix P1.

5.4 Air Route

No formal air samples were collected during site assessment activities. An estimated 15,432 people reside within a four-mile radius of the site. Waste oil was processed in a still at the facility by heating it to separate water and sludge from the oil (Black & Veach, 1993) which may have released some of the volatile constituents of the material into nearby residential and commercial areas surrounding the site.

6.0 ADDITIONAL RISK-BASED OBJECTIVES

This section discusses additional risk-based objectives used to evaluate the Ilada Waste Company site. These objectives have not been used to assess the site for HRS purposes.

6.1 Sediment Quality Guidelines

The sediment samples collected during the ESI were compared to ecological benchmarks to help determine whether site activities have impacted the surface water pathway. Two sources of benchmarks were used for this comparison: Ontario sediment quality guidelines and U.S. EPA ecotoxicological ("ecotox") thresholds. Ontario sediment quality guidelines are non-regulatory ecological benchmark values that serve as indicators of potential aquatic impacts. Levels of contaminants below Ontario benchmarks indicate a level of pollution that has no effect on the majority of sediment-dwelling organisms. Contaminants for which no Ontario benchmarks where available were compared to U.S. EPA ecotox thresholds. Ecotox thresholds are ecological benchmarks above which there is sufficient concern regarding adverse ecological effects to warrant further site investigation. Ecotox thresholds are to be used for screening purposes and are not to be used as regulatory criteria, site-specific cleanup standards or remediation goals.

Sediment samples were compared to Ontario sediment criteria for lowest level of effect to determine if concentrations present may be harmful to the environment. Samples from 10 out of 16 locations had concentrations of some metal exceeding the benchmark; however for most of these locations, the concentrations were similar to sediment background metal concentrations in the surface water body. Samples from 1

out of 16 sediment locations had one or more semi-volatile organic compounds exceeding a benchmark. Samples from 13 out of 16 sediment locations had one or more PCB compound exceeding a benchmark. Lastly 5 out of 16 locations had concentrations of some pesticide exceeding the benchmark. Tables 2 – 6 compare analytical results for sediment samples to ecological benchmarks.

7.0 SUMMARY

The Supplemental ESI was conducted at the Ilada Waste Company site in order to determine whether or not to proceed with a HRS Documentation Record and potential placement on the NPL. Previous investigations had documented contamination in association with the facility but the information was dated. In addition, specific data needed to be collected regarding sources and migration pathways in order to make a confident determination as to how to proceed with environmental activities at the facility.

Based on available information, the surface water migration pathway may pose a potential risk to human health and the environment. Sediment samples collected up to 875 meters downstream met observed release criteria for contaminants which could be attributed to the facility. PCBs and several SVOCs were present in on-site soil samples as well as sediment samples downstream from the site indicating soils and wastes from the facility may have impacted sediments in nearby water bodies. Several residents live adjacent to Hill Creek which has contaminated sediments due to site activities. Over 9 miles of the Mississippi River is included in the 15-mile TDL for the site. It is estimated that approximately 26,379 pounds of fish are harvested annually from the section of the Mississippi River included within the Target Distance Limit. There are over 15,000 meters of wetland frontage along the 15-mile TDL for the site.

The ground water migration pathway is a concern because of the presence of karst geologic conditions in areas surrounding the site. However, no ground water was encountered during the investigation. Only six drinking water wells could be identified within one mile of the facility, and their actual use/viability is unknown. The physical and chemical characteristics of the primary contaminants of concern are not expected to travel great distances in the soil and ground water. Physically, the type of materials processed at the facility (used oils etc.) tends to be thicker in nature causing it to pool or cling to soil near the surface of a spill (unless large quantities have been spilled.)

Chemically, the primary contaminants have low water solubility (i.e. they don't dissolve and move in ground water) and they have high organic carbon partition coefficient (i.e. in most conditions, they stick to naturally occurring organic material in soils rather than migrating long distances) (Illinois EPA, TACO). Analytical results from two community water supply wells used by the city Dupo indicate that water quality does not appear to be impacted by contaminants from the facility.

The soil exposure pathway may be a concern for site trespassers. Contaminants were identified at concentrations that meet observed release criteria within the top two feet of soil at the site. However, the residential population in the area immediately surrounding the facility is not significant.

The air migration pathway is not a concern at the facility due to lack of significant sources of air pollution at the facility and vegetative cover across most of the facility.

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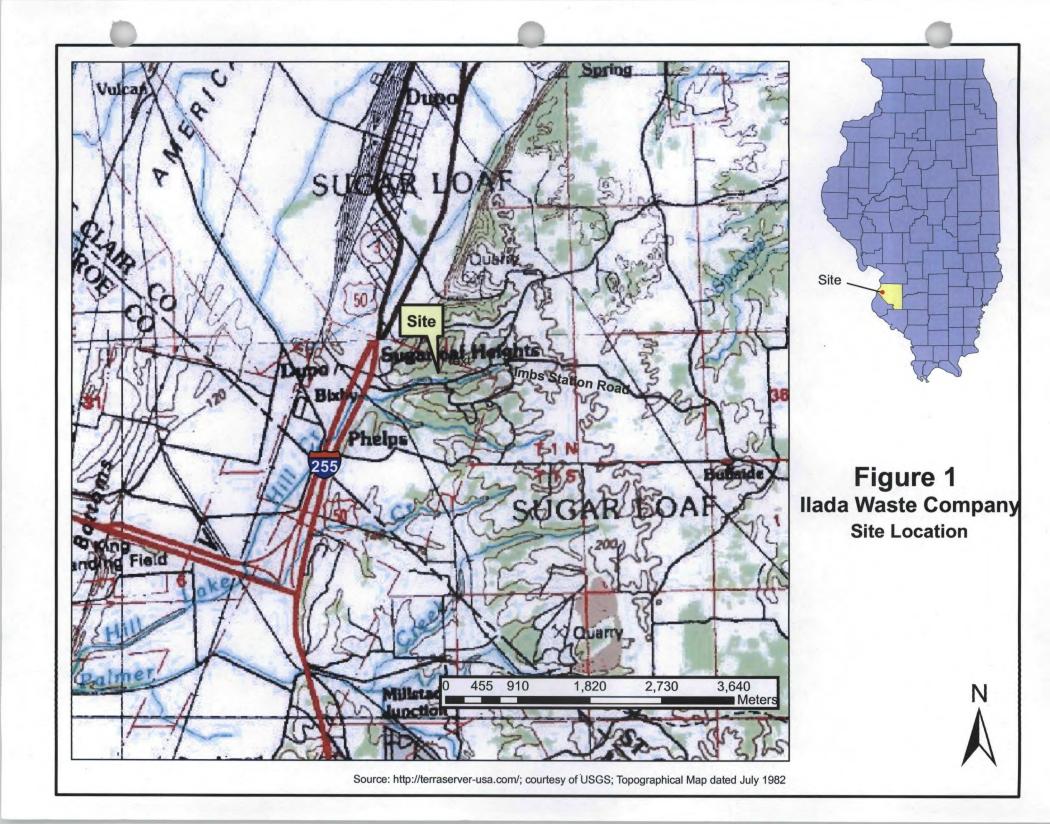
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Figures



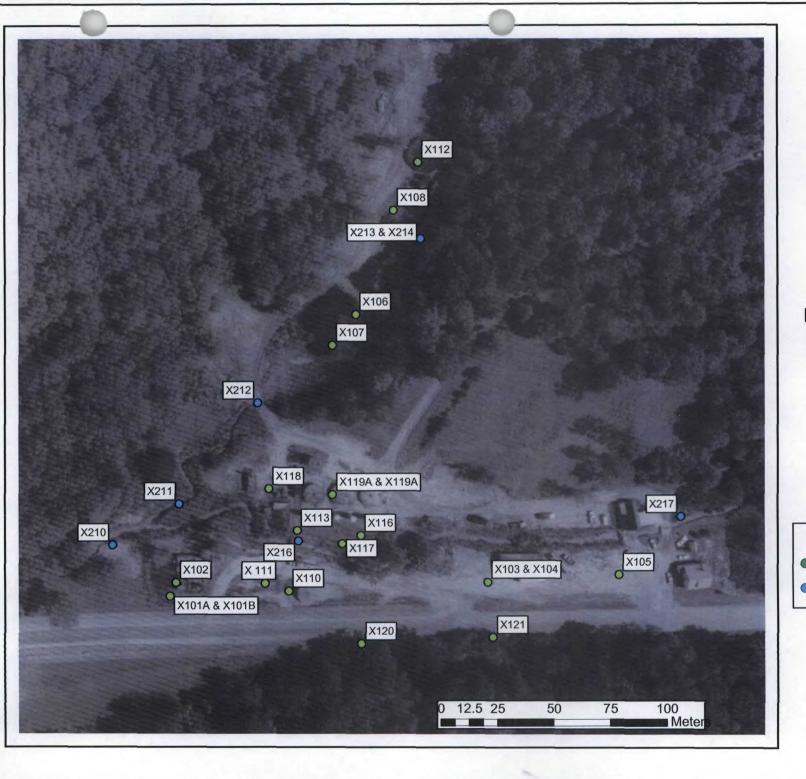


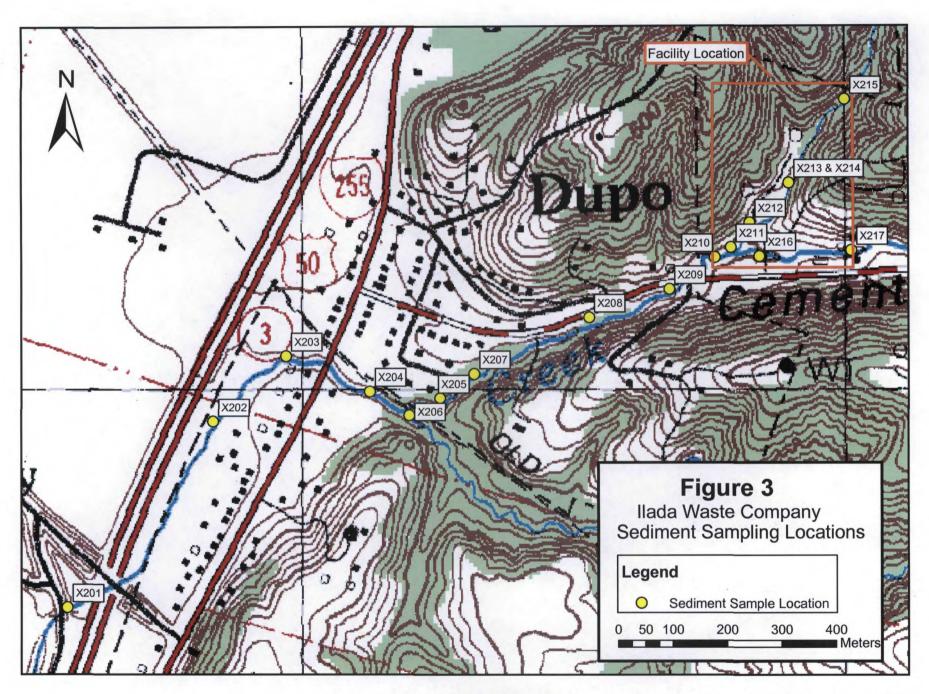
FIGURE 2 Ilada Waste Company

Expanded Site Inspection Facility Sampling Locations

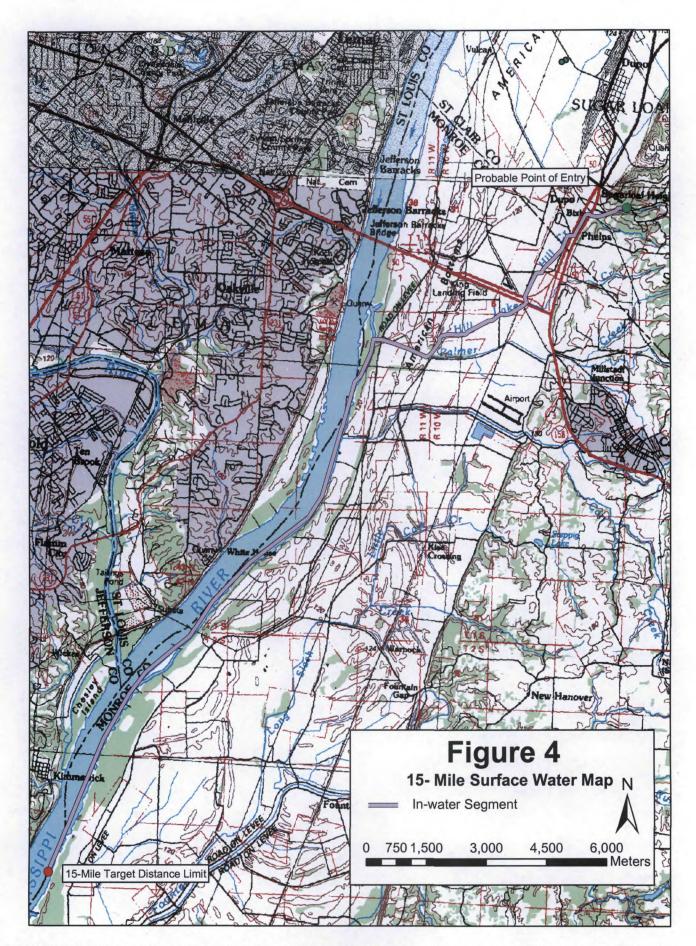
Legend

- Soil Sample Location
- Sediment Sample Location





Source: USGS 7.5 Minute Digital Raster Graphic Topographical Map, Columbia Quadrangle. 1991



Source: USGS 30x60 Minute Series Digital Raster Graphic Topographical Map; St. Louis and Festus Quadrangles. 1985

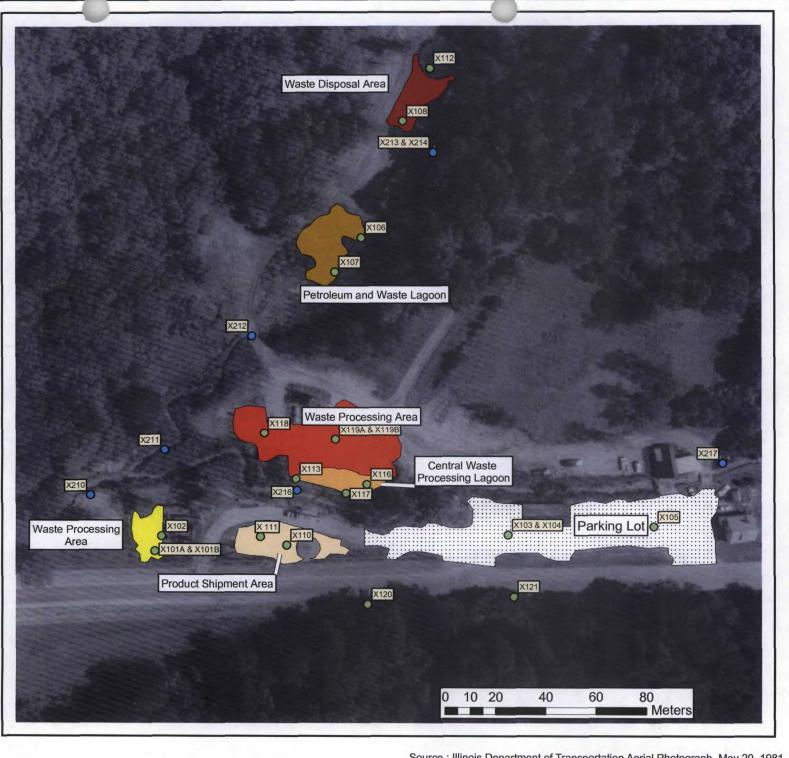


Figure 5 **Ilada Waste Company**

Facility Sources

Legend

- Soil Sample Location
- Sediment Sample Location



Tables

Table 1 Sample Summary

Sample Date	Sample ID	Sample Time	Sample Depth in Feet	Sample Description	Sample Location Description
07/31/06	X201	1030	0.16	sediment sample - brown- gray soft clayey silt	Hill Creek approx. 1500 meters downgradient of facility after creek passes beneath I-255 and east of frontage road
07/31/06	X202	1110	0.33	sediment sample - brown- gray silty clay	Hill Creek approx. 1050 meters downgradient of facility adjacent to single family home to east
07/31/06	X203	1130	0.33	sediment sample - brown- gray silty clay	Hill Creek approx. 875 meters downgradient of facility within property boundary of single family home
07/31/06	X204	1220	0.16	sediment sample - brown- gray silty clay with trace sand	Hill Creek approx. 700 meters downgradient of facility adjacent to single family homes to north
07/31/06	X205	1240	0.5	sediment sample - light gray clayey silt with trace sand	Hill Creek approx. 560 meters downgradient of facility adjacent to single family homes to northwest
07/31/06	X206	1320	0.33	sediment sample - brown- gray sandy silt with some gravel	Unnamed creek flowing into Hill Creek approximately 625 meters downgradient of facility. Sample collected approximately 10 meters upgradent of confluence with Hill Creek
07/31/06	X207	1400	1	sediment sample - dark gray clayey silt with trace gravel	Hill Creek approx. 450 meters downgradient of facility within property boundary of single family home
07/31/06	X208	1510	0.66	sediment sample - dark gray clayey silt with trace gravel, noticable hydrocarbon odor. Sheen formed on water following sample collection	Hill Creek approx. 210 meters downgradient of facility, south of Imbs Station Road.
07/31/06	X209	1530	0.66	sediment sample - gray silty clay, noticable hydrocarbon odor. Sheen formed with sediment disturbance	Hill Creek aprox. 40 meters downgradient of facility, just south of Imbs Station Road in area where water pools after leaving the site and passing beneath the road
08/01/06	X210	1915	0.5	sediment sample - gray clayey silt with gravel and sand	Hill Creek, southwest portion of facility approx. 15 meters west of concrete and wood dam
08/01/06	X211	2000	0.25	sediment sample - brown silty clay with trace sand and gravel	Unnamed creek flowing southwest through facility, just upstream of confluence with Hill Creek
08/01/06	X212	2030	0.33	sediment sample - brown- gray clayey silt with some sand and gravel	Unnamed creek flowing southwest through facility, approx. 65 meters northeast of confluence with Hill Creek and 3 meters west of roadway leading north to injection well
08/02/06	X213/214	1050	0.083	sediment sample - gray silty clay with hydrocarbon staining and odor	Unnamed creek flowing southwest through facility, approx. 70 meters south of injection well

Sample Date	Sample ID	Sample Time	Sample Depth in Feet	Sample Description	Sample Location Description
08/02/06	X215	1200	0.083	sediment sample - medium to tan lay with black organic layer at surface	Unnamed creek flowing southwest through facility, approx. 90 meters north of apparent impacts from facility, considered background
08/02/06	X216	1325	0.5	sediment sample - gray silty clay with gravel, hydrocarbon odor and minor staining	Hill creek in the center of facility, south of former lagoon area and east of concrete bridge
08/02/06	X217	1350	0.25	sediment sample - dark gray clayey silt with small amount of gravel	Hill creek immediately east of approx. facility boundary, intended to be a background location
08/02/06	X230	1000	0.33	sediment sample - Repeat of sample X203 for Semi- Volatiles due to broken container during shipment	Hill Creek approx. 1050 meters downgradient of facility adjacent to single family home to east
07/31/06	X102	1545	6 - 7	soil sample - mottled gray/orange silty clay, hydrocarbon odor	Southwest corner of facility, beneath historical location of horizonatal tanks or immediately adjacent to tank location
08/01/06	X101A	0800	1.75 - 2	soil sample - gray silty clay, slight hydrocarbon odor	Area identified as surface water/lagoon based on historical air photos and inspections
08/01/06	X101B	0815	3.5 - 4.5	soil sample - gray silty clay, slight hydrocarbon odor, elevated PID reading	Area identified as surface water/lagoon based on historical air photos and inspections
08/01/06	X116	0800	3.5 - 4.5	soil sample - moist black paste/claylike material with hydrocarbon odor	Area identified as lagoon based on historical air photos, inspections, discussions with owner
08/01/06	X117	0900	3.5 - 4.5	soil sample - gray silty clay with hydrocarbon odor	Area identified as lagoon based on historical air photos, inspections, discussions with owner
08/01/06	X110	0915	1.75 - 2	soil sample - gray silty clay with hydrocarbon odor	Area immediately west of crude oil tank, southeast portion of facility
08/01/06	X118	1110	6 - 7	soil sample - gray clayey silt with hydrocarbon odor	Area between old still and pertoleum tanks according site owner and aerial photos
08/01/06	X106	1040	6 - 7	soil sample - dark gray silty clay with hydrocarbon odor	Old lagoon area based on aerial photos and identification by site owner
08/01/06	X112	1130	0.25	waste sample - paste-like, pertroleum crude material strong hydrocarbon odor	Large open-top storage tank immediately south of injection well
08/01/06	X107	1200	3.5	soil sample - gray silty clay with strong hydrocarbon odor	Old lagoon area based on aerial photos and identification by site owner
08/01/06	X119A	1210	1.75 - 2	soil sample - brown clayey silt with hydrocarbon odor	Location beneath large vertical storage tanks based on aerial photographs and identification by owner
08/01/06	X119B	1230	9 - 10	soil sample - gray silty clay with strong hydrocarbon odor	Location beneath large vertical storage tanks based on aerial photographs and identification by owner

Sample Date	Sample ID	Sample Time	Sample Depth in Feet	Sample Description	Sample Location Description
08/02/06	X111	0815	1 - 2	soil sample - tarry gray silt with gravel	Gravel parking lot / roadway east of horzontal tanks where tar seeps present at surface in close proximity
08/02/06	X103/X104	0925	0 - 1	soil sample - brown and gray silty clay	Gravel parking lot / roadway southwest of garage/repair shop
08/02/06	X105	1000	0 - 1	soil sample - brown and gray clay with slight hydrocarbon odor	Gravel parking lot / roadway west of abandoned house
08/02/06	X108	1130	1.5 - 2	soil sample - brown and gray clayey silt with strong hydrocarbon odor	Area south of injection well and oil processing area
08/02/06	X120	0900	1 - 1.5	soil sample - brown clayey silt/loam	South of the facility and Imbs Station road, north of woods
08/02/06	X121	0915	1 - 1.5	soil sample - brown clayey silt/loam	South of the facility and Imbs Station road, north of woods
08/02/06	X113	0930	1.5 - 2	soil sample - dark gray silty clay with hydrocarbon odor	Center of site, northeast of concrete bridge and east of ditch where owner said spill had occurred

Numbers Summary

18 Sediment Samples were collected from 16 locations

11 Shallow Soil Samples were collected from 10 locations

8 Deep Soil Samples were collected from 8 locations

1 Waste Sample was collected from 1 location

TABLE 2

Ilada Waste Company Sediment Samples

TCL Metals Analysis Results in mg/Kg

Sampling							1					
Location:	Ontario Sediment	United States EPA	Background	X201	X202	X203	X204	X205	X206	X207	X208	X209
Matrix:	Benchark for	Ecotox Thresholds	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Units:	Lowest Effect Level	or ARCS Effect	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
ANALYTE	1	Concentrations ²	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag
ALUMINUM	NA ³	58030 PEC	10800	5850	9700	5390	6260	7340	3070	7150	7020	10700
ANTIMONY	NA NA	NA.	0.61 J	0.32 J	0.31 J	0.53 ป	0.32 J	0.3 J	0.25 J	0.26 J	0.61 J	0.52 J
ARSENIC	6	8.2	8.7 J-	3.8	5.7	3.6	6.5	2.8	10.6	3.9	5.1	6.8
BARIUM	NA NA	NA NA	137	w 20 131 1	200	114	154	110	106	295	147	92.8
BERYLLIUM	NA	NA	0.69 J+	0.65 U	0.61 UJ	0.68 UJ	0.69 UJ	0.63 UJ	0.58 UJ	0.65 UJ	0.74 U	0.6 UJ
CADMIUM	0.6	1.2	0.03]]	0.65 U	0.61 UJ	0.68 UJ	0.69 UJ	0.63 UJ	0.58 UJ	0.65 UJ	0.18 J-	0.16 J-
CALCIUM	NA	NA	32800 J	7840 J	8480 J	51200 J	30300 J	2260 J	22400 J	7680 J	11600 J	23400 J
CHROMIUM	26	81	16.2	9.5	17.8	14.4	21.3	12.6	6.7	[11]	11.4	25.1
COBALT	NA	NA	12.5	6.7	7	8.9	10.6	6.5	8.2	10.2	10.2	9.4
COPPER	16	34	15.3	11.7	15.3	16.8	13.7	12.1	12.4	12.1	16.8	15.9
IRON	20000	NA	19700	10600	15500	13300	15200	12400	11200	14600	12300	25600
LEAD	31	47	17.7	12.7 J	10.8 J	13.7 J	17.7 3	7.9 J	5.7 J	13,7 J	29,7 J	10.2 J
MAGNESIUM	NA	NA	3090	1860 J	3100 J	8720 J	2380 J	1940 J	12800 J	1950 J	2150 J	2350 J
MANGANESE	460	NA	681 J	535 J	662 J	582 J	1060 J	272 J	942 J	1590 J	636 J	533 J
MERCURY	0.2	0.15	0.15 U	0.15 U	0.14]U	0.13 U	0.14 U	0.13 U	0.12 U	0.15]U	0.15 U	0.13 U
NICKEL	16	21 21	21.6	11.7	14.9	14.6	15.8	15.6	18.8	13.6	15.4	23.6
POTASSIUM	NA _	NA	1590 J	824	1680	768	870	970	583 U	1020	926	957
SELENIUM	NA MA	NA	4.7 U	4.5 U	4.3 U	4.8 U	4.9U	0.59 J+	4.1U	4.5 U	.0.53 J	0.64 J+
SILVER	NA	NA	1.4 U	1.3 U	1.2 U	1.4 U	1.4 U	1.3 ∪	1.2 U	1.3 U	1.5 U	1.2 U
SODIUM	NA NA	NA NA	678 U	646 U	614 U	681 U	695 U	628 U	583 U	646 U	736 U	602 U
THALLIUM	NA	NA	3.4 U	3.2 U	3.1 U	3.4 U	3.5 ∪	3.1 U	2.9 ∪	3.2 U	3.7 ∪	3 ∪
VANADIUM	NA NA	NA NA	30.1	.18.3	22.4	20.3	24.5	22.9	19.3	25.3	23	29.5
ZINC	120	150	66.3	37.2	44.8	36.9	47.7	33.9	25.2	38.8	54.3	47
CYANIDE	NA NA	NA S	0.31 J	3.5 U	3.3 U	3.4 U	3.7 U	3.3 U	3.1 U	3.5 ⊎	3.7 U	3.2 U

NOTES: 1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox
Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations
developed under ARCS program is provided. ARCS benchmarks identified with
either TEC ≈ Threshold Effect Concentration or PEC = Probable Effect
Concentration.

- 3 NA No Benchmark Exits for Analyte
- 4 8.7 Indicates concentration above benchmark
- 5 20.2 Indicates concentration meets criteria for observed release (3x background in most cases)
- 6 J Indicates concentration is estimated
- 7 J+ Indicates concentration is estimated; value probably less than reported
- 8 J- Indicates concentration is estimated; value probably greater than reported
- 9 U Indicates analyte undetected by lab equipment
- 10 UJ Indicates analyte undetected by lab equipment

TABLE 2 - continued Ilada Waste Company Sediment Samples TCL Metals Analysis Results in mg/Kg

Sampling			- · · · · · · · · · · · · · · · · · · ·							
Location :	Ontario Sediment	United States EPA	Background	X210	X211	X212	X213	X214	X216	X217
Matrix:	Benchark for	Ecotox Thresholds	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Units:	Lowest Effect Level	or ARCS Effect	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
ANALYTE	1	Concentrations ²	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag
ALUMINUM	NA ³	58030 PEC	10800	5530	8410	8020	9610	8900	6300	7240
ANTIMONY	NA	NA NA	0.61J	0.33 J	0.52 J	0.43 J	0.41 J	0.44 J	0.36 J	0,32 J
ARSENIC	6	8.2	8.7 J-	5.1 J-	7.2 J-	9 J-	4.1 J-	5.7 J-	4.8 J-	4.4 J-
BARIUM	, NA	NA A sheet	137	122	174	165	165	171	315	107
BERYLLIUM	NA	NA	0.69 J+	0.57 U	0.59 U	0.8 U	0.63 ป	0.61 U	0.59 U	0.68 U
CADMIUM	0.6	1.2	0.03 J	0.57 U	0.59 U	0.8 U	0.63 U	0.85	0.13 J	0.68 U
CALCIUM	NA	NA	32800 J	105000 J	3180 J	45400 J	3730 J	3160 J	41800 J	13700 J
CHROMIUM	26	81	16.2	11	16	17,6	15.5	14.4	21.7	11.7
COBALT	NA	NA	12.5	10.5	7.4	12.2	9.5	13	12.2	6.7 J
COPPER	16	34	15.3	11.3	10.3	25.9	11.6	10.8	9.1	11:1
IRON	20000	NA	19700	13000	17400	16900	16500	16200	15900	11600
LEAD	31	47	17.7	24.7	11.2	36.6	10.8	10.7	10.2	14.7
MAGNESIUM	NA	NA	3090	4570	2240	5050	2690	2290	2100	2720
MANGANESE	460	NA NA	68 1 J	945 J	377 J	834 J	164 J	J	1810 5	625 J
MERCURY	0.2	0.15	0.15 U	0.11 U	0.12 U	0.16 U	0.13 U	0.12 U	0.12 U	0.15 U
NICKEL	16	21	21.6	14.6	16.2	19,4	19.2	20.8	23.3	∄ 13.9
POTASSIUM	NA .	NA	1590 J	848 J	1190 J	1290 J	1470 J	1360 J	931 J	1040 J
SELENIUM	NA "	NA	4.7 U	4 U	4.1 U	5.6 U	4.4 U	4.3 U	4.1U	4.8 U
SILVER	NA	NA	1.4 U	1.1 U	1.2 U	1.6 U	1.3 Ų	1.2 U	1.2 Ų	1.4 U
SODIUM	NA -	NA NA	678 U	573 U	588 U	804 U	630 U	609 U	591 U	681 U
THALLIUM	NA	NA	3.4 U	2.9U	2.9 ∪	4 U	3.1 U	3 U	3 U	3.4 ∪
VANADIUM	NA NA	NA NA	30.1	20.2	25.6	25.5	24.4	23.3	27.6	21.7
ZINC	120	150	66.3	49.8	43.1	74.7	46.8	46.3	41.2	47.9
CYANIDE	NA .	ANA TANA	0.31 J	0.2 J	0.26 J	0:28 J	20.2	193	0.44 J	334

NOTES: 1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

3 NA - No Benchmark Exits for Analyte

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9 U Indicates analyte undetected by lab equipment

10 UJ Indicates analyte undetected by lab equipment

TABLE 3 Ilada Waste Company Sediment Analytical Results

TCL Volatile Organic Compounds (ug/Kg)

4011

4616

	- · _ · · 			_	_	_		_	_			_		
	Ontario	United States	Backgro	ound	X201		X202		X203		X204		X205	
	Sediment Benchark for	EPA Ecotox Thresholds or	Sedime		Sedim	ent	Sedim	ent	Sedim	ent	Sedime	ent	Sedime	nt
	Lowest Effect	ARCS Effect	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Organic Compound	Level [†]	Concentrations ²	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1.Trichloroethane	NA	170	7.7	ÜJ	470	U	490	Ū	390	U	540	U	480	U
1,1,2.2-Tetrachloroethane	NA	940	7.7	U	470	U,	490	U)	390	U,	540	U	480	U,
1,1,2-Trichloro-1,2.2-trifluoro	NA	NA	7	υ	470	υ	490	υ	390	υ	540	υ·	480	υ
1,1,2-Trichloroethane	i NA	NA≒≨⊨	- 4, 7,7	Ü	470	U.	490	UΨ	₩ 390	U	540	U	480	U: "
1,1-Dichloroethane	NA	NA	7.7	υ	470	υ	490	U	390	U	540	U	480	υ
1,1-Dichloroethene	z NA Zii	NALessar	÷∴ 7.7	Ü	470	U	490	U-7	390	U	540	Ü.	480	Ų.
1,2,3-Trichlorobenzene	NA .	NA	7.7	UJ	470	UJ	490	U	390	U	540	U	480	U
1,2,4-Trichlorobenzene	NA.	9200	.7.7	W	470	UJ	490	Ŭ₩Ģ	390	U -	540	U ,	480	U
1,2-Dibromo-3-chlcropropan	NA	NA	7.7	U	470	Ų	490	U	390	U	540	J 7	480	1.5 Be*
1,2-Dibromoethan∈ (EDB)	. ≥ NA ÷	NA 📑	.* 7.7	U	470		490	U	390		540	U	+ 480	
1,2-Dichlorobenzene	NA Na a tanàna manana	340	7.7 :#0:2≌7.5	IJ	470		490	U	390	U	540	U	480	
1,2-Dichloroethane	NA.	NA TES	7.7	U	470		490	U	∜ 390	U	540		480	1
1,2-Dichloropropane	NA	NA	7.7 -4-2020.1	U	470		490	U	390	U اندها	540		480	
1,3-Dichlorobenzene	. NA	1700	藝物	Ų	470		490	U	-390	U	540		480	
1,4-Dichlorobenzene	NA	350	7.7	UJ	470	7.	490	U SME	390	U	540		480	
1,4-Dioxane	, T NA 🖘 -	NA The	∰ ∄ 50	R	9300		9800	Ř.	7800				9500	1 1
2-Butanone (MEK) 2-Hexanorie	NA NA	NA NATELES	15 学学 15	U .	930	U	980 980	U	780	υ • υ	1100	U ∕ u ≕i	950 950	1
4-Methyl-2-pentanone (MIBK	NA NA	NA NA	ाक्,श्रुव् ।ऽ 15	U	930	U	980	U	780	U	1100	U	950	
Acetone Acetone	NA.	··············NA當無意	54	-		. કેટોની	980	Ü	44	j× i	22	-5 <u>1</u> 2	1200	1000
Benzene	NA	57	7.7	U	470	1	490	U	390	U	540		480	100
Bromochloromethane	≨:⊹.≣NĂ∷ ^{ra} r	NA	- 77	Ü		U.B.	490	Ü,	A 390		540	U.#		1
Bromodichloromethane	NA NA	NA	7.7	U.	470	U	490	U	390	U	540	U	480	1
Bromoform	· VNA 🥞	· NA	77	w	470	/Uke	490	Ų.	390	U	540	U z	480	U.
Bromomethane	NA	NA	7.7	U	470		490	U	390	υ	540	υÏ	480	υ
Carbon Distritide	NA THE	I NAPA	.j. 7.7	Uş	470	.U.:	490	U	390	u	540	Unit	480	U.S
Carbon Tetrachloride	NA	NA	7.7	UJ	470	U	490	υ	390	U	540	υ	480	U
Chlorobenzerie	NA NA	820 P	Ø ≩7.7	Ü	470	W.	490	Ú-	390	U.S	540	Ü	480	D'4
Chloroethane	NA	NA	7.7	U	470	υ	490	Ü	390	U	540	υ	480	υ
Chloroform .	NA	· · · NAH	7.7	U	生470	ه لاه	490	Ų.	390	υ	: 5 10	Ú	+ 480	UE
Chloromethane	NA	NA	7.7	U	470	U	490	U	390	U	540	υ	480	
cls-1,2-Dichloroethane	NĀ -	THE NATION	377	UH	470	Úℤ	490	Ú	390	U	540	U	48 0	U+
cis-1,3-Dichloropropene	NA	NA	7.7	U	470		490	U	390	U	540		480	
cyclohexane	∰ NA →	NA PA	7.7	U	470	U	. 490	UT!	390	บ	540	64	480	U
Dibromochloromethane	NA	NA	7.7	U.	470		490	υ	390	U	540		480	
Dichlorodifluoromethane	NA.	. NA SOM	期27	ĬÛ)	470	地震	490	U	390	U	540	U	480	U
Ethylpenzene	NA	3600	7.7	U	470	U	490	U	390	U	540	U	480	U
laopropylbenzene		NA PEL	17.7	:UF	#470	U,	490	U	390	UŢ.	540	U *	480	护线
m,p-xylene	NA	NA	7.7	U	470	U	490	U	390	U See. 4	540	U	480	U.
Methyl acetate	NA 🎒	NA TOLK	7.7			U		U.	.4. 390			1	,	1 1
Methyl-tert-butyl-etner (MTB	NA	NA	7.7 		470		490	U	390	U	540		480	
Methylcyclohexane	J. F. TNA	NA NA	₹ 97.7	1	470			U				Ų.		U
Methylene chloride	NA	NA	7.7	U	470		490	U	390	U	540		480	
o-xylene	NA	NA	7.7	U	- 1	U.	490		390		:=∂540 540	1	480	
Styrene	NA	NA 530 ≠ ∰	7.7 永中華山	U No. 2 d	470		490		390	U	540		480	
Tetrachloroethene			12.7.7	1		לילי האטי	490	, ,	390	U	540	1 1	∳480 480	
Toluene	NA	670	7.7	U Name	470		490	U	390	U	540		480	
trans-1,2-Dichloroethene	NA NA	MA NA	7.7	. 1	' '		490	' 1	390		540		480	1
trans-1,3-Dichloropropene	NA	NA	7.7	U	470		490	U	390	ບ ບ ້	540		480	
Trichloroethene	NA NA	1600	7.7	1		U.	÷ 490		1		540		480	1
Trichlorofluoromethane Viryl Chloride	NA NA	NA NA	7.7 ‡}∵ 7.7	U : U .∷.	470 470		490	U W.∵	390	U U ./≟	540		480 4 80	
VIRIN CHICHOS	TAN .	CHARLET IN THE	7. 1. 1. 1	, U , j , j	4/0	S. C. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	400	CO.	ຸວອ∨	٠,	∴ ≎40	v	400	W.

¹ Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

² U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

³ NA - Indicates no benchmark identified for compound

⁴ U Indicates analyte not detected at or above stated limit

⁵ J Result is an estimated value

⁶ UJ Indicates analyte not detected at or above stated limit

⁷ R - Indicates data rejected and unusable for any purpose

·	Ontario Sediment Benchark for Lowest Effect	United States EPA Ecotox Thresholds or ARCS Effect	Backgrou Sedimen ug/Kg		X206 Sedimer ug/Kg	nt	X207 Sedime ug/Kg	nt	X208 Sedime ug/Kg	nt	X209 Sedime ug/Kg	nt	X210 Sedime	ent
Organic Compound	Level 1	Concentrations ²	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	NA	170	7.7	IJ	450	U	500	U	380	IJ	360	U	. 6	3 ŲJ
1.1.2.2-Tetrachloroethane	NA NA	940	7.7	U	450	υ.	500	-U - i	380	υJ	360	u.		υ
,1,2-Trichloro-1,2,2-trifluoro	NA	NA	7	Ū	450	Ū	500	υ	380	υJ	360	Ū	ē	
1,1,2-Trichloroethane	NA A	- P NAT	7.7	Ú	450	U	500	יט י	380	ໝ	360	w		A
1,1-Dichloroethane	NA	NA NA	7.7	ш	450	υ	500	υ	380	UJ	360	U	1 6	
.1-Dichloroethene	NA NA	NA®(⊕(∄)	:≢2." 7.7	i Dain	450	ŭ.	500	U	380	u≓	360	u	- 1.2	× ±
.2.3-Trichlorobenzene	NA NA	NA	7.7	UJ	450	U	500	U	380	UJ	360	UJ	6	
.2.4-Trichlorobenzene	NA 4	9200- <u>41</u> 40	7.7	·UJ	450	ບໍ່	50 0	الرا	380	w	360	U.		90. 4
,2-Dibromo-3-chloropropan	NA NA	NA	7.7	U	450	U	500	U	380	UJ	360	U		
,2-Dibromoethane (EDB)	NA A	NALES NALES	1545.70	Ů.	450	Ū.	50p		380		# ∰360	U.	1000	100
	English Super State (St. 1971)	340	i 1		450	45	500	U	4 1 1 1 4 1 1	UJ	360	UJ		
1,2-Dichlorobenzene	NA NA	and the second second	7.7 **** 7.7	UJ ■	450 19 450	U Ü	500 500	10 ₹	380		* '360	U :	(ئونىڭ ئارىخى	1.,
		wells NA						2-10-79-0	150/1				Frank (
1,2-Dichloropropane	NA	NA	7.7 250 A.C.	U	450	U	500	U Heim	380	UJ A v Bal	360	U	6	
1.3-Dichlorobenzene	NA .	700 =	\$1.5 7.7	W	450	U"	50b	1	7 4 3 4 5 4 6	,W	360	ນ		- 4
,4-Dichlorobenzene	NA	350	7.7	UJ	450	U rates i	500	U tatean	380	UJ	360	UJ	€	
1,4-Dioxane	MA W	NA	. ∰: €150	P	9000	R.	£10000	R	7700	n#	7100	H.	120	1
2-Butanone (MEK)	NA	NA NA	15	U	900	U	20	التاتيا	8.1	J Strains 1	17		12	
2: Hexanone	a. # NA 春季	NA	15	U	900		* 1000		₩. I 770	ָּט ו	710	U	ე⊹ყ 12 46	1
4-Methyl-2-pentanone (MIBK	NA	NA	15	U	900	U	1000	U latta-kil	770 استعالیہ	U Somal	710	U.	12	1122.2
.,	NA	Line NA	54	الملأ	450		- 166	1	25	() 1948 () 1948	53	7.	17	
Benzene Mara Bulana Alemana (h. 1888)	NA	57 (1955년 - 195 일 중앙 국회 3 일	7.7	U September	450	U	500	U	380	UJ	360	U	€ 31 - 11 - 12	1
Elromochidiomethane	ラジタNA 金店	NA SE	•	U.	450	υŹ	Sop	26 17.3	380	U)	360	U.	ŧ	1
Bromodichloromethane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	U	6	1
#Working the state of the state	FINA STA	音号 NA Min で	7.7	UF	李季450	₽₩	*″ 50 0	U	380	w	360	U-	£، - ست. تې	S UJ
Bromomethane	NA NA	NA	7.7	Ų	450	U	500	U	380	U	360	U	(3)	3 U
Carbon Disulfide	HE NAME	NA.	7.7	U	450	Ukt	500	"ט	380	U	李 360	U	. %	i Ü
Carbon Tetrachloride	NA	NA	7.7	UJ	450	U	500	U	380	UJ	360	U	ε	3 UJ
Chlorobenzene	NA 🏯	² 820	7.7	W.	450	U÷	500	Ų,	380	W	₹ 360	w	j	i u
Chloroethane	NA	NA	7.7	U	450	U	500	υ	380	υ	360	U	6	υ
(1 Noroform	- いんな楽号	弄些 NA	7.7	U.	34450	U	24 Byo	M#	380	W	∛ 38 0	U.	. E	S U₹
Chloromethane	NA	NA	7.7	U	450	υ	500	υ	380	U	360	U	ϵ	υ
kis-1,2-Dichlordettiene	A TA NA 型雲	ELENA H	77	U	450	Ú.	⊜∉ so b	U	380	U.	排 360	U	2 · 6	نا اه
cis-1,3-Dichloropropene	NA	NA	7.7	U	450	U	500	υ	380	UJ	360	ÜJ	Ê	υ
kyclonexame		A 241 NATE OF	7.7	U ⁽¹⁾	450	0:4	Separation	u	380	IJ	360	U.I	. 6	ט וּצ
D bromochloromethane	NA	NA	7.7	U	450	U	500	U	380	UJ	360	Ū		υ
Defilorodiffuoromethane	SANA SA	製E SNATT 宝			75 450		- Sob	TAR	380			ŭ.		บ
Ethylbenzene	NA	3600	7.7	U	450	U	500	U U	380	UJ	360	U	. 6	1
sopropylijenzene	and the same streets	NA Lata			450	_	₩ bob	1	1380	ur.	960	ນ		
tu'b-xileue	NA.	NA	7.7	U	450	U	500	⊬ roakori a U	380		360	U.	6	1 "
		·····································		-			\$ 10 00				360		-	j u
Methyl-tert-butyl-ether (MTBE	NA NA	PATENTAL NA	7.7	U	450	,	500		380	-	360	U	6	
The state of the s	NA(⊕B	BEN NAVE TO			基 450				380		₹ 380		6	. 743
Methylcyclonexarie												1 1	a	
Methylene chloride	NA **	NA	7.7 	U *¥÷÷	450 450		500 200		380		360		6	,
t xylene	OSS ÑA Fª	NA		D.					₩ 380		360		6	1
Styrene	NA	NA	7.7 (350m/sa.ad	U Singa	450		500		380	UJ	360	U	6	
	JANA *	530		Ú			, abo				360	U.		
Toluene	NA * * * * * * * * * * * * * * * * * * *	670	7.7	U	450		500 ಟಿಎ. µµa-		380		10		6	1
trans-1,2-Dichloroethene	NA	NA ·	7.7	U.		UΥ			380		360		ાં 6	Ü
trans-1,3-Dichloropropene	NA	NA NA	7.7	U	450		500		380		360	UJ	6	
nichtoroethene	i≅ i NA∵	1600	7.7	Û	450	Ü	sop	U	380	W	360	U	6	Ú
richlorofluoromethane	NA	NA	7.7	U	450		500	U	380		360	υ	6	U
Vinyl Chloride 「自己」	··· NA 🐗	響 PE NA	.7.7	U	450	W.	= 5bb	W _i	380	υŒ	360	w	6	υ÷

¹ Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

² U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

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	Ontario	United States	<u> </u>		Va		Vava		V2.42		V0.44					
	Sediment	EPA Ecotox	Backgro		X211		X212		X213		X214		X216		X217	
	Benchark for	Thresholds or	Sedimer	ıt	Sedime	nt	Sedime	nt	Sedime	nt	Sedime	nt	Sedime	nt	Sedime	nt
	Lowest Effect		ug/Kg	(e.	ug/Kg		ug/Kg		ug/Kg	=:	ug/Kg	5 1	ug/Kg		ug/Kg	-
Organic Compound	Level 1	Concentrations 2	Result	Flag	Result	Flag	_	Flag	Result	Flag	Result	Flag	Result			Flag
1,1 1-Trichlorcethane	NA NA	170	7.7	UJ	6.8		6.6		6.9	UJ		UJ	4.6		7.3	ı
1,1,2,2-Tetrachloroethane	NA 5	940	7.7	,U	6.8	•	6.6	1	6.9	1	6.5		4.6	1	7.3	1
1,1,2-Trichloro-1,2,2-trifluoro	NA	NA NA	. 7	U	6.8		6.6	l	6.9	U	6.5		4.6	1.5	7.3	
1,1,2-Trichloroethane	NA 🔩		7.7	IJ	6.8	•	.⊹ ≥ 6.6	1	6.9	U	6.5	1	4.6	1	7.3	1
1,1-Dichloroethane	NA	NA NA	7.7	U	6.8		6.6		6.9	U	6.5	1	4.6	- Z.	7.3	i .
1,1-Dichloroethene	NA S		7.7	U.,	6,8	1 1	≨ ₹ 6.6	1		U	6.5		4.6	•	, 7.3	1
1,2 3-Trichlorobenzene	NA	NA NA	7.7	IJ	6.8	. i	6.6		6.9	U	6.5		4.6		7.3	1
1,2.4-T ichlorobenzene	NA P	9200	7.7	W	i∃ ± 6,8	1 ' ' '	6.6	,	6.9		6.5		4.6		强禁 7.3	1
1,2-Dibromo-3-chloropropand	NA	NA	7.7	U	6.8		6.6		6.9	U	6.5		4.6		7.3	1
1,2-Dibrismoethane (EDB)	****NA 👊	NA NA	9.	U	6.8	Ų.	€6.6	U	6.9	,U	6.5	U	4.6	Ü	7 = 7.3	U
1,2-Dichlorobenzene	NA	340	7.7	UJ	6.8	U	6.6		6.9	U	6.5	U	4.6		7.3	1
1,2-Dic iloroethane	NA	NA SERVICE	*** 7.7	U	6.8	υ	∞ 8.6	บร	6.9	·υ··	6.5	U.E	4.6	U	7.3	υ
1,2-Dichloropropane	NA	NA 	7.7	U	6.8	U	6.6		6.9	υ,,	6.5		4.6		7.3	
1,3-Dichlorobenzane	.≢NA	1700	開始。 7.7	W	6.8	Ú	6.6	W	· \$ 6.9	U	6.5	U	4.6	l .	7.3	w
1,4-Dichlorobenzene	NA	350	7.7	UJ	6.8	L I	6.6		6.9	U	6.5		2.9		7.3	
1,4-Dioxane	NA	NA	150	Ro	140	R	1,30	'A	140	R	₹ 73 0	R*	🤏 , 91		150	R
2-Eutanone (MEK)	NA	NA NA	15	U	14	U	14		14	U	13	I	9.1	U	15	U,
2-Hexanone	, age NA *****	Parting NAME AND ST	15		. 14				14	υ	13		##4.8		15	
4-Methyl-2-pentanone (MIBK	NA	NA	15	U	14	U	13	_	14 34 5 5 4 4	U ki	13		9.1	U	15	U.I
Acetona		等便等 NAS-1943	iii. } - 5 4		3.6		46				÷ - :18	1 1	∱r.94 23	1 ' '	s. ↓. 17	
Benzere	NA	57 さら 3 選挙はおい ・1	7.7 المناط الأصاف	U	6.8	U.*	6.6	U	6.9 ≅	U 10 ⊊	6.5	U Need	4.6 4.6	5 - 7 E 3	7.3	U
Bromochlorofnethane	™÷≣NA · · · · · · · · · · · · · · · · · · ·	ALCOHOLD NAMES OF STREET	** //		1 € 6.8	1		13 / 1	,	, ,					χ, χ	
Bromodichloromethane	NA	NA NA H	7.7 ≟ ≟ د در درور	U	6.8	U	6.6 學術學學家		6.9 10.11 ಪಟ್ಟ	U Mass	6.5 作 65		4.6		7.3	
Bromolcriff (* 1965)	NA 7		沙慈•7.7	IJ		W	8.6	1				, , ,	¢. 4.6			1 3
Bromomethane	NA	NA PPS NASE	7.7 (4) 5 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	U	6.8	U	6.6		6.9	U	6.5	1 -	4.6		7.3	1
Carbon Distillide	AFENA A	Company of the second s	7.7	U	. 6.8		*** . 2 3			יש	€ 46.5			, ,	学验 7.3	. '
Carbon Tetrachloride	NA V	NA 	7.7	UJ	6.8	UJ	6.6		6.9 ≣ыы ∡≪	UJ	6.5		4.6	1	7.3	
		ಆಯೇ ಕಟ್ಕೆ ಕಾರ್ಯಕ್ಷ ಕು.ಪ್ರದ್ಯಾಗಿ	\$4 7.7		8.8							,,,,,,	15 VI 4.6		7.3	1 1
Chloroethane	NA - NEMARKANE	NA MA可以	7.7	U	6.8	U	6.6		6.9	U Juliana A	6.5	U Soundaries	4.6	U	7.3 襲擊 7:3	U
		4 ME 10-11	3.2.7			U		1 1						,		1" '
Chloromethane	NA	NA NA	7.7	U	6.8	U	6.6		6.9	U 	6.5		4.6		7.3	
cis-1,2 Dichloroethene	NA 環		F133	1	6.8							1	金4.6			I ''
cis-1,3-Dichloropropene	NA	NA La ing Salahan at la	7.7	U	6.8	U U	6.6		6.9 ⊈.⊬∄a	U	6.5 ¥ 6.5	U U%∫	4.6		7.3	l. :
	12. 7			U	6.8		***	r .		1 1				1 '		U
Dibromochloromethane	NA NA SEPT	NA	7.7	U	6.8	U	6.6	加隆	6.9	U	6.5	U	4.6	31. 0	7.3	L .
Dichloradifluoromethane	777 1100 1 1700	1 / 1 - 1 - 1		U	8.8	' 1	2 " - 2	********	, ,	1 1	ER C			4 (1	7. 1	Uil
Ethylberizene	NA NA	3600 ► NA	7.7 ***********************************	U	6.8	U U	6.6 表表		6.9 الدانسة م	U Marie	6.5	U FESS	4.6 ₹14.6		7.3	0
f '' '				U.	1							1 1		1 ''	国第 7 .3	1 1
m.p-xylene Methyl acetate	NA WA	NA	7.7 Uk##(4:34)		6.8		6.6		6.9		6.5		4.6 對其4.8		7.3	U :
Methyl-tert-butyl-ether (MTBE	1200 PMO 1 11		特數的										類談集 日 4.6			Ι
	NA	NA ************************************	7.7 Page 77	U	6.8		6.6		6.9		6.5 1 31			U	7.3	u :
Methykyclohexane	NA .					1				1		1 1				1
Methylene chloride	NA NA	NA NA	7.7 7.7	U ™	6.8	U	6.6		6.9	U	6.5		4.6		7.3 5 . ~ a	
o-xylene					6.8				6.9		1,212.11	U .		υ		U.
Styrene Tetrachlorcethene	NA NA S≅	NA 图 530 复新	7.7	U	6.8	U	6.6		6.9 ∵6.9	U Step 3	6.5	U	4.6 维基基面	l	7.3	
	···NA 論義				1	Ū	1						4.6		1	U
Toluene	NA ■ NA 🎏	670	7.7 State = =	U	6.8	∪ U	6.6		6.9	U	6.5		4.6		7.3	1
trans-1,2-Dichloroethene		NA P	\$ 7.7		1	1						ប	1		1	U
trans-1,3-Dichloropropene	NA	NA	7.7 華澤 7.7		6.8		6.6		6.9		6.5		4.6		7.3	
Trichloroethene 5	NA W		1		1	1	6.6	1		ับ	** 7 * * 7		4.6	1	7.3	
Trichlorofluoromethane	NA NA ÷	NA NA ≢⊒	7.7	U	6.8		6.6		6.9		6.5		4.6		7.3	
Vinyl Chloride	NA - 亦主!	"想到。NA"等基本	7.7	0	6.8	.U.S	0.6	U se	1. Ja. 0.9	_∪ ∵	6.5	U	4.6	U	7,3	U

NOTES:

4

4 High

¹ Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

² U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

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	Outoria	Linited Chann			ı —		·		I			_						
	Ontario Sediment	United States EPA Ecotox	Backgro	ound	X201		X202		X230 ⁹		X204		X205		X206		X207	
	Benchark for	Thresholds or	Sedime	ent	Sedim	ent	Sedim	ent	Sedim	ent	Sedime	nt	Sedime	nt	Sedimer	nt	Sedime	nt
<u>}</u>	Lowest Effect	ARCS Effect	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Level 1	Concentrations 2	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenvl	NA	NA	250	υ	320	υ	330	IJ	210	U	340	UJ	330	UJ	310	υ	360	Ü
1,2,4,5-Tetrachlorobenzene	In NA	NA 🔭	· 250	U	320	υĠ	330	บั	210	U	340	U 🥫	330	Ú 🔭	310	U.	≕36 0	U.
2,2-oxybis (1-chloropropane)	NA	NA	250	Ū	320	Ū	330	υ	210	U	340	υ	330	U	310	U	360	1 ' '
2,3,4,6-Tetrachlorophenot	NA	TNA STATE	⊭≟≓250	U±:	320	U.	330	ับเล	210	U F3	340	-U-i-	330	Ü	\$ 310	UÆ	÷≟ : ∕360	
2,4,5-Trichloropheno	NA	NA NA	250	U	320	U	330	•	210	U	340	U	330	Ū	310	U	360	1
2,4,6-Trichloropheno	NA	NA SA	250		320		330		210		340	ů"	330		310		360	
2,4-Dichlorophenol	NA NA	NA	250	Ū	320	_	330	lυ	210	U	340	U	330	U	310		360	1 2
2,4-Dimetry phenol	NA 2	PAR NATIONAL	250		320		330			U#	* ₹340	บ้า	. (330	υ¥			360	1
2,4-Dinitrophenol	NA	NA NA	490	U	620		650		400	U	660	U	630	U	600		690	1 1 .
2,4-Dinitro xitiene	NA ≕		250	Ū.	320		+ + 330			UH	11. 340	Ů.	330	Ď		UK		
2,6-Dinitro:oluene	NA	NA	250	U	320	U J	330	U.	210	U	340	U	330	U	310	U	360	1 2
2-Chlorone philhalene	+NA	E TO NATAWA	250		≇≭ 320		. 330	ŭ	<i>-</i> 210		∌±340			Ü÷	· • • • • • • • • • • • • • • • • • • •			
2-Chlorophenol	NA NA	NA	250	U	320	U	330). J	210	ryeeasi U	340	U	330	U	310	U	360	
2-Methyrie inthalene	NA NA	FILE NAME OF	250	_	320		330	ับ	210		4340	Ü	330	Ů.	310			锁臂
2-Methylphenol (o-cresol)	NA	NA	250	U	320		330		210		340	ME €O	330	U	310	U	360	1, 1, 1,70
2-Nitroaniine			着约 0		620		650				# 680	U	630	ับธ์	5 600	_	690	
2-Nitrophenol	NA NA	NA	250	U	320	U	330	U	210	U HENG!	340	U	330	U	310		360	1 1
3,3-Dichlorchenzene			250 250				330				340	Ŭ		Ŭ	a#∈ #310	_	360	
3-Nitroaniline	NA NA	NA	490	U	620		650	Ū	400	υ	660	Ū	630	U	600	บ้	690	
4,6 Dinitro 2 methylphenol	NA.	NA PA	490	U	620	U.	650	υ	400	υ¥	# 660	υ	## 630	Ď?	800	U.	890	ijš.
4-Bromophenyl phenyl ether	NA	1300	250	υ	320	Ū	330		210		340	U	330	UJ	310	υ	360	1 '
4 Chiloro 3 methylphenol 1	CENTAL NATED	NATE:	1 ± +250	IJŧ	=320	U.	·* 330	U	210	UM	340	UŁ	330	VI.	4¥ 310	U	360	ios:
4-Chloroani ine	NA	NA	250	U	320	U	330	U	210	U	340	U	330	U	310	U	360	• ' "
4-Chlorophimyl phenyl ether	H NA E	学。NAI 君智	250	顶		U-	330	A	210	W.	**1340	O'A	≟ 4-330	eir.	建 310	也包		U
4-Methylphenol (m/p-cresol)	NA	NA NA	250	U	320		330	U	210	U	340	U	330	υ υ	310	U	360	1 1
4-Nitroaniline	NA T	E NAME OF	490	Ū	620	u i	650	น 🕆	³ - 400	ŭ.	4 :680	U	830	ac:	600	υ÷	890	
4-Nitrophenol	NA	NA	490		620		650	1 1	400		660	U	630	U	600		690	1
		620;	250	υ			330					1000		行奏	数 数 数			TUE:
Acenaphthylene	NA	NA	250	U	320		330	U	210		340	U	330	U	310		360	
Acetophericine in 注源 报	NA 🔙		250		± 82 0		330		2/210		340		330		320	记		U.
Anthracene	220	31.62	250	U U	320		330		210	U	340	U U	330	U	310	U	360	- 12
Atrazine		P NAME OF	250		320		330	1	210		** *340	U)			310	Tie l		D 150
Benzaldehyde	NA	NA	250	U	320		330	Ū	210	U	340	U	330	U	310	U	360	
Benzo(a)a rithracene	320		250	UÆ	- 84		330		÷- 150	12		1			趋1910	U.	360	1
Benzo(a)pyrene	370	0.43	್ಕಾನ್ 15	J	95		330	U	84	<i>"™inte</i> ";;	340	U	330	DN Historia	37	J	210	J. 12.4
Benzo(b)fluoranthene		· NA			≟⊨.90		330	_	≨/:190	IN	割4340	-			建 231	J.S	360	il);s
Benzo(g,h i perylene	170	290	250	U	48		330	U	31)+ <u>%.</u> 7.3 J	340	U U	330	UJ UJ	<i>रक्ष क्र</i> ाः 310	U	360	10 17 7 7
Benzo(k)fluxianthene			经第4		₹ 38		330	υ×	* 71			104			** a10			1
bis(2-Chloroethoxy)methane		NA	250	U - 15-41	320	U U	330		210		340	99	330	U	310	U	360	
bis-(2-Chkroethyl) ether		WALAN	250	Ŭ	manufacture of the	U	330	u "			340	Ŭ.	⊹330	al fel		Ū	360	ió4
Bis(2-ethylhexyl)phthalate	NA NA	NA	250	, ., .,	320		330		210		340		330		310	1	360	
Bulyi benzy phthalate	2 2 10 00000000000000000000000000000000000	1100b*				UE	330				340			ا±لت		Ŭ.	360	
Capro actern	NA	NA	250	U	320	1	330	UJ	210		340		330	UJ	310		360	ī
Carbazole		E PANA PARA	250			U	- 330		210			Ü	∆# 330		a≱.:.310			
Chrysene	340	500	7	1	98	' 1	330		100	語 問 。L	35		330		30	· · · · · ·	360	2 1s
Diben:20(a h)anthracene			250		- 320			UE		13.721		444	330			U	380	- در ا
, ,					1	1	330		210	. 1	340 340	1	' '	,	310	1 1		1
Dibenzofuran Dibromoxilioromethane	NA NA	NA III NA¥III	250	U	320 3 20				210 210		340 340		330			194 4	360 360	
	NÁ .			U <u>¢</u> .		1	1	1 1	"	1 1	1	1	330			U ,		i .
Dimethyl phthalate	NA	NA	250		320 ≑- 320		330		210 210		340 340		330		310 310		360	1.7.
Di-n-butyl shthalate		11000			V			Ü	210 210					1		U		.UE
Di-n-octyl onthalate	NA 750	NA 上海海 海	250		59					00	340		330		38 38 - 34	U TW	70	
Fluorantherie	750	2900	5.3	10.2	120	J.	330	U _	540	٠, -	[· 71]	J	1=330	.W₹	के ं कि कि 5 1	J.	. 360	U:

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TABLE 4

Ilada Waste Company Sediment Analytical Results

Semi-volatile Organic Compounds (ug/Kg)

	Ontario Sediment Benchark for Lowest Effect	United States EPA Ecotox Thresholds or ARCS Effect	Backgro Sedime ug/Kg		X201 Sedim ug/Kg	ent	X202 Sedim ug/Kg		X230 ⁹ Sedim ug/Kg		X204 Sedime ug/Kg	ent	X205 Sedime		X206 Sedimei ug/Kg		X207 Sedime ug/Kg	
Volatile Compound	Level 1	Concentrations ²	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Fluorene	190	34.64	250	υ	320	U	330	IJ	210	U	340	U	330	ŲJ	310	U	360	U
Hexachlorubenzene	. NA	NA .	250	Ü	320	ບັ	:::3 3 0	U	210	U	340	u	330	υ	310	Ú.	360	Ü.
Hexachlorobutadiene	NA	NA	250	U	320	U	330	υ	210	υ	340	υ	330	υ	310	U	360	U
Hexachloroxyclopentadiene	⊵ NAi	MA 類岸	250	U.	32 0	U.	330	U	210	w	340	ď ·	330	U:	ুল 310	U.	360	W.E
Hexachloroethane	NA	1000	250	U	320	U	330	ΰ	210	U	340	[υ]	330	U	310	U	360	Ü
Indeno(1.2,3-cd)pyrene	200 🍱	国的特殊	250	\mathbf{u}_{i}	37	3	á 33 0	U,	ें ₹ 30	J	340	U.	330	W.	310	U.	360	U
Isophorone	NA	NA	250	υ	320	υ	330	υ	210	υĖ	340	υ	330	U	310	U	360	Ψ
Näphthalene	A HA	2000 种元	[≟] 250	U	**:320	υ,	330	υ÷	210	U鼬	340	ប្រ	330	Us:	- 1810	級	380	心養
Nitrobenzene	NA	NA	250	U	320	Ü	330		210	υ	340	υ	330	υ	310	U	360	
n-Nitroso di n-propytamine	. NA: [‡]	HE NATE:	250	U.	320	TE.	330	υĹ	210	Ú.	à-340	も数	330	ŭ,	Gweto	峥	380	地羅
n-Nitrosod phenylamine	NA	NA	250		320	U	330	Ü	210	υ	340	υ	330	U	310	υ	360	Ų
Pentachlorophenol	NA A	NA NA	490	U®	- 620	U	*650	υ	≠ 400	1053	860	US	€ ¥ 630	U.	600	UP	569 0	切護
Phenanthrene	560	850	250	U	170	J	330	υ	210		35	J	330	U	310	υ	360	Įψ"
Pinenol : 1997	# * NA 號	-NA I	250	U	320	UP	^{4±} 330	U	210	บ้า:	340	U	≨ ≗330	U	310	U.	380	U÷
Pyrene	490	660	5.2	J	200	J	330	U	380		92	J	330	UJ	48	J	360	Ü

- 1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level
- 2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.
- 3 NA Indicates no benchmark identified for compound
- 4 15 Indicates concentration above Sediment Screening Benchmark
- 5 190 Indicates concentration meets criteria for observed release (3x background in most cases)
- 6 U Indicates analyte not detected at or above stated limit
- 7 J Result is an estimated value
- 8 UJ Result was analyzed for, but not detected at concentrations above the approximate sample quantitation limit
- 9 Sample X230 was collected from same location as X203 (original sample damaged in shipment).

	0	11.22.25.					1	-					<u>, </u>			
	Ontario Sediment	United States EPA Ecotox	Backgro	ound	X208		X209		X210		X211		X212		X213	
	Benchark for	Thresholds or	Sedime		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	Lowest Effect	ARCS Effect	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Level 1	Concentrations ²	Result	Flag	Result	Flag		Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenyl	NA	NA	250	U	250		260	UJ	220	U	220		260		220	
1,2,4,5-Tetrachlorobenzene	NA	THAT THE	250		250		₹ ::: 280		- 220		220	Lite		Ų.,	L	1 ï .
2,2-oxybis (1-chloropropane)	NA.	NA	250	U	250	U	260	Ū	220	U	220		260	r 1	220	11.
2,3,4,6-Tetrachlorophenol	NA 523	NA NA	250	1	. ₩ 9 250		2 6 0		220	Ŭ	220					1.1
2,4,5-1 richlorophenol	NA	NA	250	υ	250	U U	260	U	220	U	220	U	260	U	220	
2,4,6 Trichlorophenol	*NA **	THE NATION	250	A-1	250				220		220	W.		U.	據 220	10
2,4-Dichlorophenol	NA NA	NA NA	250	ĺΰ	250		260	U	220	U	220		260	1	220	I I
2,4-Dimethylphenol	NA .	NA DE	250	U	250		260	如詩		iusia.	220		260		220	
2,4-Dinitrophenol	NA	NA	490	U	490		510	Sec. 12.	420	u⊤a U	420	1 ' "	510	u l	430	lb'"
2,4-Dinitro tiluene	NA NA	NA. 14	250	- 1	250		280	Ù.	4 220	10:I	220		260	16	1220	ĺż
2,6-Dinitro cluene	NA NA	NA	250	U U	250	U	260	U	220	U	220		260	U	220	177.22
2-Chloronachthalene	NA.	NATION!	± 250		250		∗ ₃ ≟ .260	Ų,	. 220	Ů.	220		度 75.260			心搏
2-Chlorophenol	NA	NA	250	U	250	U	260	U	220	U	220	,	260	ับ	220	TT.
2-Methymachthalene	NÄ	NATES	250	UA	25	5.0	260	of:	385 643	37	220	ហា	260	U.	220	D#
2-Methylphenol (o-cresol)	NA	NA	250	U	250	U	260	U	220	U	220	2.0	97 (17 35 17 37 37 37 37 37 37 37 37 37 37 37 37 37	,	220	100
2-Nitroaniline	· NA 5	by NA TO	490		490	1		_	420	_	420	Sec. A .	510			كال
2-Nitrophenol	NA	NA	250	U	250	U	260	U	220	U	220	1 1	260	·/ · · ·	220	1 1
3.3 Dichlorobenzene	· · · NA談算	THE NAME OF	# 250	1 - 1	250		280		220	Ŭ	220		≨ 4. ₂60		220	1
3-Nitroandine	NA	NA	490	U	490	υ	510	U	420	Ü	420		510	υ	430	Ψ
4,8 Dinitro 2-methylphenol	- NA	NA NA	1490	U#.	490	U#	510	ÚK.	₩ ₩420	U	420	υľ	510	ut	430	被養
4-Bromophenyl phenyl ether	NA	1300	250	U	250	υ	260	UJ	220	υ	220		260	υ	220	Ų
4-Chloro-3 methylphenol	S S NAESS	SE NAME	* 250	Ų.	250	U.	260	UX	220	Ű	220	U.	260	υ×	# R220	制業
4-Chloroaniline	NA	NA	250	บิ	250	U	260	U	220	U	220	υ	260	υ	220	ψ
4-Chlorophenyl phenyl ether	NA.	NA SATE	250	Ú.	250	U.	<u>-</u>	ŭ	220	ΰ	220	υ 3	260	Đ#	## 22 0	判護
4-Methylphenol (m/p-cresol)	NA .	NA	250	U	250	υ	260	U	220	υ	220	U	260	υ	220	Ų.
4-Mitroaniline	I NAID	IS NAME	490	ÚŽ.	#E 490	遊	510	加熱	∌ 1420	U.	420	UŽ	510	u.	430	划器
4-Nitrophenol	NA	NA	490	υ	490	U	510	U	420	U	420		510		430	U
Acenaphithane .	NA*	的生态8200	250	U.	27	45	260	UE	** * * 220	U.	+, + 220	嫌	操約280	N.A.	220	北海
Acenaphthylene	NA	NA	250	U	240	J	260	U	17	J	220	U	45	J	220	Ü
Acetophenine	NASS	TO THE STATE OF	250	ŭ.	3 250	U	260	ij#	220	U	⊹ √⊸ 220	Ų.	260	邟牌	220	都加
Anthracene	220	31.62	250	υ	100	J	50	J	10	j	220		17	J	220	1
Alizzine 15 City to Alice	· NA SE	E-PARTY	250	U	250	u ²	260	Ü	*** 220	U	220	บ	260	ΙŒ	编 220	业法
Benzaldehyde	NA	NA	250	υ	250	U	260	Ü	220	U	220	U	260	U	220	Ü
Senzo(a)anthracene	320	NAS ES	250	U.	947 380	744	1777年250	河麓	13	4 *	220	ue	ar . F.88	VI.	榜 4220	W.
Benzora)pyrene	370	0.43	15	J	700		240	J	90	J	15	J	200	J	15	J
Serizo(b)fluidranthene	NA 💮	· ····NALS	M -18	JE S	680		390 L		81	THE	18	JÈ	灣	0	ai ai	NE.
Benzorg,h,i)perylene	170	290	250	U	480		110	J	66	J	220	Ü	120	J	220	ű
Senzo k) fluoranthene	NA 🚉	AT NAT F	###14	JŦ	种 180	94	等表 140	JE	B/ic = 46	3 55	18	J.Kr	. 68	进步	220	W.
bis(2-Chloroethoxy)methane	NA	NA	250	Ū	250	υ	260	U	220	υ	220	υ	260	็บ	220	Ú
bis (2-Chlordelthyl) ether	(I I NA 清	NA STA	250	UN	250	U.		υ¥	# 220	Ui	- 🚊 220	U	260	(II)		Ni 🗟
Bis(2-ethylhexyl)phthalate	NA	NA	250	1 1	250		260		220		220		260		220	•
Bulyl benzyl phthalate		变量Hodo 料准				ŲŽ,			tive in			w	18		220	
Caprolactam	NA	NA	250	υ	250	υ	260	IJ	220	U	220		260		220	Ť
Carbazole	NĀ 📑	PATINATE	250	U.	≟ ≟≟ 250	LUE I	62	り金	這話29	5 1/2:	∜	UF	43	粤疆	220	
Chrysene	340	500	7	[J "	520		340	* . XB #2	47	J	9.6	W. **.7	92	j i	71	J
Olicenzo(a, h)antivacene	60		250	U	250	υ¥	260	υŒ	220	ΰì		បៈ	260	Üĸ	220	ù(;iš
Dibenzofuran	NA	NA	250		250	บ	260	UJ	220	1	220	ri	260	1 1	220	1
Dibromochkromethane	NÀ	NAT Y	250			یدن			and 20 has 5 6. 35 f				260			u d
Dimethyl ph:halate	NA NA	NA	250	U	250		260		220			UJ	260	r 1	220	1
Di-n-butyl phthalate				- 1		ŭ			220			เมื	260		220	
Di-n-octyl phthalate	NA NA	NA NA	250		250		260		220	,	220	, ,	260		220	
Fluoranthene	750	2900	-8i 5.3		500		670						110			บ
r issuantions	1 2 CANAGE 125.		1 32.0	'	550	3 17 44		H42. (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- "	ينسون ۽ ۽ ۽ ا	1	27 . 7 . 1 . 0		, ,,,,,,,,,,	1

MH IV

	Ontario Sediment	United States EPA Ecotox	Backgro	ound	X208		X209		X210		X211	•	X212		X213	
	Benchark for	Thresholds or	Sedime	ent	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	-
	Lowest Effect	ARCS Effect	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Level 1	Concentrations ²	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Fluorene	190	34.64	250	U	39	J	260	UJ	220	Ü	220	UJ	260	U	220	Ü
Hexachlorobenzene 1:	+ NA ∵	** NA 🗺	250	U÷	250	ΰ	260	U	220	U	220	Úŵ	260	U 🎨	220	b E
Hexachlorobutadiene	NA	NA	250	υ	250	U	260	υ	220	υ	220	U	260	U	220	IJ
Hexachlorix/yclopentadiene	NA NA	- NA□小蒜	250	u":	∌ 250	U	260	w	220	UE	220	U	260	U.	220	D.
Hexachloroethane	NA .	1000	250	U	250	υ	260	υ	220	υ	220	U	260	U	220	Ü
Indeno(1,2,3-cd)pyrene 🌁	200	78	⊭ ∤250	n-	350	5	110	J;∜.	45	14.	i 220	U	* 37	が置	220	<u>"ِ '</u> رُا
Isopherone	NA	NA	250		250	U	260	U	220	υ	220	U	260	U	220	Ü
Naphthaleris	, NA	[AT 480 TT	250	U	27	Û.	± 260	Ujiji	- 220	לט 🔻	220	U	260	U#	220	1054
Nitrobenzene	NA	NA	250		250		260	U	220	υ	220	υ	260	υ	220	U
n-Nitroso-cli n-propylamine	NA	NA THE	250	U	250	U.	260	U-	220	U	220	ui-	∌ - ₹280	UE	#220	排
n-Nitrosod phenylamine	NA	NA	250	υ	250	Ų	260	Ų	220		220	U	260		220	
Pentachkorophenol *	NA T	A PINA	490	U-	490	TOP:	平声 510	U.	420	Ú	420	U	1.510	117	430	神
Phenanthrene	560	850	250	υ	380		380		30		220	υ	53		220	
Phenol 1997 Hand	NA T	NA 📲	250	U2	250	U· 1	260	U	220	U	· · · 220	U	260	U	≐† * 22 0	U.
Pyrene-	490	660	5.2	J	1200		560		91	J	220	U	250	J	220	IJ

- ¹ Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level
- 2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.
- 3 NA Indicates no benchmark identified for compound
- 4 15 Indicates concentration above Sediment Screening Benchmark
- 5 190 Indicates concentration meets criteria for observed release (3x background in most cases)
- 6 U Indicates analyte not detected at or above stated limit
- 7 J Result is an estimated value
- 8 UJ Result was analyzed for, but not detected at concentrations above the approximate sample quantitation limit
- 9 Sample X230 was collected from same location as X203 (original sample damaged in shipment).

	Ontario	United States	Backgro	und	X214		X215		X216		X217	
1	Sediment Benchark for	EPA Ecotox Thresholds or	Sedime		Sediment		Sediment		Sediment		Sedimen	t
	Lowest Effect		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Level 1	Concentrations ²	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenyl	NA	NA	250	U	220	Ť	250	U	210	U	230	÷
1,2,4,5-Tetrachiorobenzene	NA -	NA TINA		u.	220		250	1.0	210		230	
2,2-oxybis (1-chloropropane)	NA	NA DE MARCE.	250	U	220	U	250	U	210		230	1 .
2,3,4,8-Tetrachlorophenol	NA NA	PARNA S	250 250	.U÷⊈	220	Ď	250 250	_	20 0 1		230 230	
	NA	NA	250	U	220	U.	250 250	U	210	U	* *.	1 7 77
2,4,5-Trichlorophenol	NA NA F	NA NA	250 250			Ú.	250 250	U		U.	230 230	1
2,4,C; (ROTRXOPHERO). # 1.	NA	7, 201,000	250	U	220 220	U U	250 250	U U	210 210		ਤੁ∌∓ਕੋ⊹ 23 0 230	1
2,4-Dimethyphenol	NA NA	NA NA	250 250	US	220 220	5	250 250	0		U.S		
		4. 7. 1			DE - 2002 192	. 47,5- 6	A 444	U	1 10, 110	47.350		
2,4-Dinitrophenol	NA NA	NA NA	490 2 50	U	430 220	U	490		400 ⊶ 4-210		440) U
11 V 21 11111 114	14"	17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,			1 1		7 ,			, ,,,,	
2,6-Dinitrotoluene 2-Chloronaphthalene	NA	NA NA	250	U U √	220 220	U	250 250	U U ∰	210 ≅ **≇#\$	∪ •	230	
2-Chlorophenol	NA NA	NA NA	₹∓ 250 250	U	220	U	250	Ç U ÇÇ	210	Dog.	230	
		SACONAL PROVE	250	U				U.	210 210	1	230	
2-Methylnaphthalene		** * * * * * * * * * * * * * * * * * * *	14 M 42 12 1	25.	220	¥.	1.71 250	10,700	Mr. 2 le.3	* * *		
2-Methylphenol (o-cresol)	NA	NA	250	U	220	U	250	U May 200	210	U	230 440	
2-Nitroaniline	NA T	NA S	490		430	1 1		U.		,	,	
2-Nitrophenol 3,3-Dichlorobenzene	NA ∰ia NA	NA NA	250 2 50	υ:	220	U	250 250	U U .	210 210	U	230 230	
3-Nitroaniline	NA NA	NA NA	490	U.	430	U	490	U	400	U U	440	
4,6 Cinitio 2-methylpheno	NA .	NA 1	490	U		Ū.	490			֓֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	440	100
4-Bromophenyl phenyl ether	NA	1300	250	U	220	U	250	U	210	UJ	230	
4-Chkro-3-methylphenol		INA SALL		and the same			250		2 210		4 23 0	
4-Chicroaniline	NA	NA	250	U.	220	U	250	即编数. U	210	U U	230	
4-Chicrophenyl phenyl ether	ESCANASE!	FOR NA	250	U-2				10	210		1 23t	
4-Methylphenol (m/p-cresol)	NA	NA NA	250	U	220	U	250	U U	210		230	1 7
4-Nit capline	HE WANT	A-CNA PLAN	490	U.		U.	490		400		230	
4-Nitrophenol	NA NA	NA	490	U.√.	430	U U	490	U	## ## ### 400	U	海流生。(141) 440	1
Acenaphitiene		22 820 140	250		220	יט.		Ü		Ú		
	NA NA	NA	250	U U	220	U (#E	250	υ, :: U	210	U. U	230	
Acenaphthylene	NA NA	INA NA	250 250			WASA	250		NIFE 210		230 231 231	
Anthracene	220	- 神経の サ を終え 31.62	250	U	220	U	250	U	_{विकर्} कार् ए 210	U U	34	1
Attazine de la	W 1 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	31.02 [3] RECINA 4 (3)	250 250	U	220 220	U.	250 250	Ú.			230	
Benzaldehyde	NA	NA	250	U.	220	U _{gra}	250	U	210	U U	230	
Benzo(a)anthracene	320	Programme and the con-	250	U.	220	O.	1 ++250	V.	≇ ¥ 23	J爾		
Benzo(a)pyrene	370	NA 0.43	15	1 1,335	73	(P. 674)2	15	许有 :	31	ा । ज	250	4
Benzo(b)fluoranthene	A RAIN	NA NA			7.5				1 12 26	हा है है। इस	7.0 11 32 0	4.
Elenzo(g,h,i)perylene	170	290	250	U	220	U U	250	U	210	(業/運用 U	130	
Behzo(k)fluorahtherie	NA.	I CHINA TE				U.		J.	空心外12	- 1	150	
bis(2-Chloroethoxy)methane	NA	NA	250	NTSC. U	220		250	U	210	7 15 W.	230	- "
A - 6 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	- NA	NA VI	C v a ser 1999 55	COMPANY.			250					遊響
Eis(2-ethylhexy)phthalate	NA NA	NA	250		220		250		210		230	1
Butyl tienzyl phthalate	NA I	1000	250			U.		Ú.	6			U.
Capro actam	NA	NA NA	250	U.	220	بوسير U	250	U	210	r .	230	1
	±NA ⊞	NA "	250			U.		U.	210		_ಿಸ್ಟ್ 23	
Chrysene	340	500	7	J	83	J.	7 (Fig. 4) (Fig. 4)	ا. ا	40	J	270	
Dibertro(a,h)anthraceria	1 180% (BB)	I THE NAME OF THE	250			U	and the same	Ú	可 10 10 10 10 10 10 10 10 10 10	1		3
Dibenzofuran	NA NA	NA	250 250	V ∵≑ U		pye≡ U	250	U	باعتبر عام 210			U
Dibrer rochloromethane	NA	NA NA	250 250			Ú	250 250		210			Ü
Dimethyl phthalate		NA NA	250	U	220	U	250 250	U U	ाव क् ट्रिट 210 210	' '		T .
	NA NA -∔	NA 11000 : 13⊈				U era		Ü			230	u/.
Di-n-putyl phthalate Di-n-potyl phthalate	NA.	-1, .4, .1•1000,-; .≥± NA		U	220	U P D	250 250	U	210		230	1
Fluoranthene	750		250 5.3			U.3ª		u-B	210 数学述:18	ا من	230	4 .
Limitations	190	· · · · · · · · · · · · · · · · · · ·	[E::2'9]	***	F 24V	FV:"E	F	49	kgm, tan 1.10	10	440	3 ' ::

400

Tibb#

	Ontario Sediment Benchark for Lowest Effect		Backgro Sedime ug/Kg	ent	X214 Sediment ug/Kg		X215 Sediment ug/Kg		X216 Sediment ug/Kg		X217 Sedimen ug/Kg	
Volat le Compound	Level 1	Concentrations ²	_	_		Flag				_	Result	Flag
Fluorene	190	34.64	250	U	220	U	250	Įυ.	210	ı	230	U
Hexachkirobenzene	NA.	NA.	- 250	U	220	U	250	U-	210	υ	230	U.
Hexachlorobutadiene	NA	NA	250	υ	220	U	250	υ	210		230	U
Hexe chlorocyclopentadiene	NA TE	NA NA	250	U.	220	U.	250	υ.	210	U.	230	ÚĪ
Hexachloroethane	NA	1000	250	υ	220	U	250	U	210		230	U
Indeno(1,2,3-cd)pyrene	200	, 78	250	Ü.	220	U	* 🖘 250	U	Maria H	J.	. 140) ()
Isophorone	NA	NA	250	υ	220	υ	250	υ	210	U	230	υ
Naphthalene	NA S	480	250	U	220	U	250	υĘ	210	۰ ئا	230	ישו
Nitrobenzene	NA	NA	250	U	220	υ	250	υ	210	U	230	υÜ
n-Nitroso-di-n-propylamine	NA POS	NA V	250	u .	220	֓֞֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	250	U.	基於210	U.	₽ ₩ 280	10%
rı-Nitrosodiphenylamine	NA	NA	250	ט	220	Ü	250	U	210	Ū	230	
Pentachlorophenol	Σeri≥NA (±€	**************************************	490	U	430	U.	490	U	直疆400	1	440	地灣
Pherianthrene	560	850	250	υ	220	υ	250		210		160	
Pheroi	NA .	PER NAMES:	250	U	220	Ü	250	บ	. 210	U 1	230	U.
Pyrene	490	660	5.2	J	220	U	5.2	J	86	J	440	J

- ¹ Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level
- 2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.
- 3 NA Indicates no benchmark identified for compound
- 4 15 Indicates concentration above Sediment Screening Benchmark
- 5 95 Indicates concentration is three times concentration in background sample
- 6 U Indicates analyte not detected at or above stated limit
- 7 J Result is an estimated value
- 8 UJ Result was analyzed for, but not detected at concentrations above the approximate sample quantitation limit
- 9 Sample X230 was collected from same location as X203 (original sample damaged in shipment).

TABLE 5 Ilada Waste Company Sediment Analytical Results Pesticide Compounds (ug/Kg)

			E00Q9		E00M8		E00M9)	E00R5		E00N1		E00N2	2	E00N3		E00N4	1	E00N5
	Ontario	United States	Dagkor		V001		VOOO		X230 ¹	0	V004		X205		V006		X207		V000
	Sediment	EPA Ecotox	Backgro				X202		l		X204				X206		1		X208
	Benchark for	Thresholds or	Sedime	nt	Sedime	ent	Sedim	ent	Sedime	ent	Sedime	ent	Sedim	ent	Sedime	ent	Sedim	ent	Sedime
	Lowest Effect	ARCS Effect	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg
Organic Compound	Level 1	Concentrations ²	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result
4,4'-DDD	NA	ÑÃ	4.9	IJ	6.2	UJ	6.5	UJ	4	IJ	6.6	IJ	6.3	UJ	6	UJ	6.9	UJ	5.4
4,4'-DDE	NA	NA A	∂4.9	IJ	6.2	·W	∌ ,5	, UJ.	4	W	6.6	UJ	- 6,3	اللا	6	UJ	6.9	UJ	4.9
4,4'-DDT	NA	NA	4.9	UJ	6.2	UJ	0.42	J	1.6	J	5.9	J	6.3	บม	6	UJ	6.9	UJ	8.3
Aldrin	2	N	2.5	UJ	3.2	ບູງ	3.3	ໜ່	2.7	w	3,4	ינט:	3.3	Ü	3.1	ับป	3,5	UJ	2.5
alpha ⋅BHC	6	NA	2.5	UJ	3.2	UJ	3.3		2.1	UJ	3.4	UJ	3.3	UJ	3.1	UJ	3.6	UJ	2.5
alpha-Chlordane	NA	TANK THE	2.5	เป	3.2	ับง	3.3	W	2.1	IJ	3.4	บม	3.3	ປປ	0.88	J	3.3	UJ	2.5
beta-BHC	NA	NA	2.5	UJ	3.2	UJ	3.3	ŲJ	2.1	UJ	3.4	ับม	3.3	บป	3.1	ŲJ	3.6	UJ	2.5
delta-BHC	NA 📆 📗	NA NA	2.5	UJ.	3.2	Ų	∔ ⊬ 3.3	w	2.1	เม	0.68	J_	3.3	, w	3.1	IJ	3,6	UJ	2.5
Dieldrin	2	520	4.9	UJ	0.73	J	6.5	UJ	4	บป	2.2	J	6.3	UJ	6	UJ	6.9	UJ	6.5
Endosulfan I	ŊA	NA	2.5	UJ	3.2	IJ	9.3	ŲJ-	0:53	44	3.4	·W	i≘ 3:3	·W	3.1	البانا	∰ 3.3	w	2.5
Endosulfan II	NA	NA	4.9	IJ	0.53	J	6.5	บม	4	υJ	6.6	υJ	6.3	υJ	6	IJ	0.45	J	1.2
Endosulfan sulfate	NA 🐃	NA 📜	⊶ ⊪4.9	R	6.2	UJ-	∵ 6.5	IJ	isera i 🎝	·UJ;	6.6	w	6.3	UJ	- 6	UJ	6.9	UJ	4.9
Endrin	3	20	4.9	UJ	6.2	ŲJ	6.5		3.1	J	8.8	J	6.3	UJ	[*] 6	UJ	6.9	UJ	19
Endrin aldehyde	NA	. NA	49	UJ:	6.2	ŲJ	B.5	u)	14	Tu <u>i</u>	* 3.3	Jan 1	6.3	LU.	8	UJ	6.9	UJ	9
Endrin ketone	NA	NA	4.9	UJ	0.57	J	6.5		1.5	- 1	6.6	UJ	6.3	UJ	6	บป	6.9	UJ	14
gamma-BHC (Lindane)	3	0.37	2.5	R.	3.2	IJ,	8.3	W	2,9	UJ.	3.4	UJ.	- 38	ບປ	* 3.1	IJ	3.5	UJ	2.5
gamma-Chlordane	NA	NA	2.5	ŲJ	3.2	UJ	3.3		0.35		3.4	IJ	3.3		3.1	UJ	3.3		2.5
Heptachlor :	-NA	· NA		W	3.2			w.		W.		JUJ.	13 2 T. L.	Į,	3.1	10.15		เกา	2.5
Heptachlor epoxide	5	NA	2.5	UJ	3.2	UJ	3.3		2.1	UJ	3.4	UJ	3.3		0.35			UJ	1.5
Methoxychlor	NA ***	NA M			9 10 fers to \$20 to	W	40.19 . 257	.nn,		Ü		UJ		້ພ		เกา	•	UJ	1.5
Toxaphene	NA	NA	250	UJ	320	UJ	330	UJ	_ 210	UJ	_ 340	UJ	330	UJ	310	UJ	360	UJ	250

- 1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level
- 2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.
- 3 NA Indicates no benchmark identified for compound
- 4 6.5 Indicates concentration above Sediment Screening Benchmark
- 5 8.3 Indicates concentration meets criteria for observed release (3x background in most cases)
- 6 U Indicates analyte not detected at or above stated limit
- 7 J Result is an estimated value
- 8 UJ Result was analyzed for, but not detected at concentrations above the approximate sample quantitation limit
- 9 R Indicates data is rejected and unusable for any purpose
- 10 Sample X230 was collected at location X203 because original sample damaged during shipment

;	EDONE	RE]			E00Q9		E00P9	RE	E00Q0	RE	E00P8	RE	E00Q7	RE	E00Q8	BRE	E00R0	RE	E00R1	RE
				Ontario	United States											J					
	X209			Sediment	EPA Ecotox	Backgro	und	X210		X211		X212		X213		X214		X216		X217	
ent	Sedim	erit		Benchark for	Thresholds or	Sedimen	nt	Sedime	ent	Sedime	ent	Sedim	ent	Sedime	ent	Sedim	ent	Sedim	ent	Sedime	∍nt
	ug/Kg			Lowest Effect	ARCS Effect	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Flag	Result	Flag	Organic Compound	Level 1	Concentrations 2	Result F	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
J	5.1	IJJ	4,4'-DDD	NA	NA	4.9	ŲJ	4.2	UJ	4.2	UJ	5.1	UJ	4.3	ŪJ	4.3	UJ	-4	UJ	4.4	UJ
W	5.1	UJ-	4,4'-DDE	NA .	NA NA	4.9	U.L	4.2	w	4.2	W	5.1	Ų	4.3	IJ	4.3	IJ	4	UJ	4.4	UJ
J	4.9	J	4,4'-DDT	NA	NA	4.9	UJ	1.4	J	4.2	UJ	11	J	4.3	UJ	0.36	J	-4	UJ	0.42	J
W	2.6	UJ	Aldrin	2	NAT.	25	Ūυ*	22	W.	2.2	UJ	0.58	J:	122	IJJ	2.2	·UJ	0.64	J.	2.3	ับป
UJ	2.6	UJ	alpha-BHC	6	NA	~	UJ	2.2	IJ	2.2	UJ	2.6		2.2	UJ	2.2	UJ	2.1	UJ	2.3	UJ
W	2.6	່ບປ	alpha-Chlordane	NA	NA STATE	25	UJ.	22	Ü.	r⊨ 2.2	IJ	2.6	Ų.	22	UJ	2.2	IJ	2.1	เม	2.3	UJ
UJ	2.6	IJ	beta-EiHC	NA	NA		IJ	2.2	UJ	2.2	UJ	2.6	UJ	2.2	UJ	2.2	UJ	2.1	UJ	2.3	UJ
UJ	0.27	J	delta-I3HC	NA I	I NA	2.5	W.	2.2	UU	2.2	ŬJ.	2.6	UJ	2.2	w	2.2	·UJ	2.1	UJ	2.3	เป
J	1.5	J	Dieldrin	2	520	4.9	UJ	4.2	UJ	1.5	J	3.8	J	4.3	UJ	4.3	UJ	4	UJ	4.4	UJ
UJ	. 1.5	J	Endosulfan I	NA PE	, NA	2.5	IJ3	2.2	UI.	1.2	1	2.6	w.	2.2	นูม	2.2	UJ	2.1	UJ.	2.3	เปม
J	2.6	IJJ	Endosulfan II	NA	NA	4.9	UJ	2.1	J	4.2	UJ	5.1	UJ	4.3	UJ	4.3	UJ	4	UJ	4.4	ŲJ
UJ	5.1	IJ,	Endosulfan sulfate	NA	(NA	4.9	R.	¥.2	W	4.2	U.	5.1	UJ	4.3	IJ	4.3	UJ.	4	UJ	4.4	W.
J	6.4	J	Endrir:	3	20	4.9	ÚJ	36	J	3.7	J	14	J	1.5	J	4.3	UJ	9.6	J	4.4	UJ
J	3	J	Endrir aldehyde	NA .*	NA-	4.9	UJ.	14	J	1.7	J	6.1	J	4:3	UJ	4.3	UJ	3.4	J	4.4	เม
J	5.1	UJ	Endrir ketone	NA	NA	4.9	ÙJ	4.2	ÜJ	4.2	UJ	5.1	UJ	1	J	0.79	J	4	IJ	4.4	UJ
UJ.	2.6	UJ	gamms-BHC (Lindane)	50 B	0.37	25	R	2.2	ÜJ	2.2	UJ	2.6	UJ	2,2	w	2.2	IJ	2.1	W	2.3	W
UJ	2.6	IJJ	gamma-Chlordane	NA	NA	2.5	UJ	2.2	UJ	2.2	UJ	2.6	UJ	2.2	ŲJ	2.2	IJ	2.1	UJ	2.3	
W	2.6		Heptachlor	E NA	ANTENA PER LA) 25	ترل	2.2	UJ	C. C. L. C. WHAR	UJ-	radiation	ŲJ.	1 P	'n		.UJ	2.1	UJ	2.3	is a
J			Heptachlor epoxide	5	NA	2.5	ŰJ	4.3	J	0.92	J	2.5	J	0.3	J	2.2	UJ	4.3	J	2.3	
J, R			Methoxychlor	NA:	NA C	725	تلكا	2.2		- 0.62	Jak	0.98	J	- 22	ພ	22	UJ	ै 2 1	UJ	23	UJ
UJ	260	IJJ	Toxaphene	NA	NA	250	UJ	220	IJ	220	ŲJ	260	UJ	220	IJ	220	UJ	210	UJ	230	UJ

- 6 U Indicates analyte not detected at or above stated limit
- 7 J Result is an estimated value
- 8 UJ Result was analyzed for, but not detected at concentrations above the approximate sample quantitation limit
- 9 R Indicates data is rejected and unusable for any purpose
- 10 Sample X230 was collected at location X203 because original sample damaged during shipment

NOTES: 1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level

² U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.

³ NA - Indicates no benchmark identified for compound

^{4 6.5 -} Indicates concentration above Sediment Screening Benchmark

Indicates concentration meets criteria for observed release (3x background in most cases)



			E00Q9	E00M8	E00M9	E00R5	E00N1	E00N2	E00N3	E00N4	E00N5
	Ontario Sediment	United States EPA Ecotox	Background	X201	X202	X230 ⁹	X204	X205	X206	X207	X208
	Eenchark for	Thresholds or	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	Lowest Effect	ARCS Effect	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Organic Compound	Level 1	00.100	Result Flag	Result Flag	. v		Result Flag	Result Flag	Result Flag	Result Flag	Result Flag
Aroclor-1016	NA	TNA.	49 U	62 U	- 65 · U	40 U	66 U	63 U	60 U	69 U	49 U
Aroclor-1221	NA	NA	49 U	62 U	65 U	40 U	66 U	63 U	60 U	69 U	49 U
Aroclor-1282	NA .	rie orna	49 U.	: 62 U.	*: *465 .'U .' *	40 U	# > - 66 tU *#	- - 63 U	- 60 ∪	69 U	49 U
Aroclor-1242	NA	NA	49 U	62 U	65 U	40 U	66 U	63 U	60 U	69 U	49 U
Aroclar-1248	S 0	NA:	1 49 U	## 62 U	65 U	40 U	66 U	83 U	60 U	69 U	49 U
Aroclor-1254	60	NA	49 U	62 U	65 U	40 U	66 U	63 U	60 U	69 U	49 U
Aroclor-1260	5	NA VIII	49 U	50 J	65 U	### 67 J	42 J		60 'U	. . 13 J	270
Aroclor-1262	NA	NA	49 U	62 U	65 U	40 U	66 U	63 U	60 U	69 U	49 U
Aroclor+1268	NA	NATE	49 U	62 U	65 U	40 U	- 66 U	. 63 U	60 U	69 U	49 U

- Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level
- 2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.
- 3 NA Indicates no benchmark identified for compound
- 4 20 Indicates concentration above Sediment Screening Benchmark
- Indicates concentration meets criteria for Observed Release
- 6 U Indicates analyte not detected at or above stated limit
- 7 J Result is an estimated value
- 8 RX Result from sample re-extraction and re-analysis
- 9 Sample X230 collected from location X203 because original sample was damaged during shipment

			E00Q9	E00N6	E00P9	E00Q0	E00P8	E00Q7	E00Q8	E00R0	E00R1
	Ontario Sediment Benchark for Lowest Effect		Background Sediment ug/Kg	X209 Sediment ug/Kg	X210 Sediment ug/Kg	X211 Sediment ug/Kg	X212 Sediment ug/Kg	X213 Sediment ug/Kg	X214 Sediment ug/Kg	X216 Sediment ug/Kg	X217 Sediment ug/Kg
Organic Compound	Level 1	Concentrations ²	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag
Aroclor-10 6	NA.	NA	49 U	51 U	42 U *	42 U	### 51 U.S.	43 U	43 U	23 J	44 U
Aroclor-1221	NA	NA	49 U	51 U	42 U	42 U	51 U	43 U	43 U	40 U	44 U
Aroclor-1282	NA S	NA:	. 49 U	51 U	42 Ü	42 U	51 U.	43 U	# 43 U	40 U	44 U
Aroclor-1242	NA	NA	49 U	51 U	42 U	42 U	51 U	43 U	43 U	40 U	44 U
Arocior-1248	30	NA	49 U	51 U	42 U	42 U	51 U	43 U	18 J, R	15 J, R	44 U
Aroclor-1254	60	NA	49 U	51 U	42 U	42 U	51 U	43 U	43 U	40 U	44 U
Aroclor-1260	.5	Na	49 U	52	420 RX	44 RX	230 J	9.9 J	50 RX	120 RX	210 J
Aroclor-1262	NA	NA	49 U	51 U	42 U	42 U	51 U	43 U	43 U	40 U	44 U
Aroclor-1268	NA H	NA SS	49 U.L	51 U	## 42 U	42 U.S	** 51 U*	43 U	43 U	40 U	44 U

- 1 Ontario Ministry of Environment Sediment Screening Level for Lowest Effect Level
- 2 U.S. EPA Office of Solid Waste and Emergency Response Sediment Ecotox Thresholds (ET). In cases where no ET is available, USEPA Effect Concentrations developed under ARCS program is provided. ARCS benchmarks identified with either TEC = Threshold Effect Concentration or PEC = Probable Effect Concentration.
- 3 NA Indicates no benchmark identified for compound
- 4 20 Indicates concentration above Sediment Screening Benchmark
- 5 67 Indicates concentration meets criteria for Observed Release
- 6 U Indicates analyte not detected at or above stated limit
- 7 J Result is an estimated value
- 8 RX Result from sample re-extraction and re-analysis
- 9 Sample X230 collected from location X203 because original sample was damaged during shipment

TABLE 7 Ilada Waste Company Soil Analytical Results TCL Metals in mg/Kg

							•••				
	Background	X101A	X101 B	X102	X103	X104	X105	X106	X107	X108	X110
	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
ANALYTE	Result Fla	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag
ALUMINUM	9390	6460	11500	5850	12600	11700	4450	10900	10400	8300	5110
ANTIMONY	₩ 0.41 J	0.23 J	ا⊪ال 0.5	7.8 W	046 J	0.38 U	- LU 81 -	0,31 J	#### J	⇒ 0.49 J	0.37 J
ARSENIC	4.1 J-	3.8	11.9	3.9	6.6 J-	5.9 J-	2.6 J-	5.5	7.9	14 J-	3.7
BARIUM	120	135	264	138	1104	105	39.9	₽ 135 Ha	240	382	≇215
BERYLLIUM	0.58 U	0.55 UJ	0.62	0.65 U	0.71 J+	0.64 J+	0.54 U	0.58 UJ	0.67 UJ	0.58 J+	0.56 UJ
CADMIUM	0.58 U	0.19 J-		31 0.65 U√	0.53 U	7*************************************	- 5 0:21 J	# 0.32 U-	14016.6 N	0.110	ે0.56 J
CALCIUM	3310 J	2940 J	12500 J	4580 J	3250 J	3960 J	285000 J	2220 J	9290 J	20500 J	75500 J
CHROMIUM	13.5	10.4	20 ±3.4	9.8	1181	17.8	15.4	22.3	1240	37.7	9.4
COBALT	7.4	8.9	14.1	8.3	8.3	11.2	2.5 J	14.4	15.3	9.6	5.4 J
COPPER	9.6	12/1	19.7	新 11:2	HIBA.	15	9.8	173	353	± : 21.3	
IRON	13600	10700	24000	10500	17700	16700	5530	19700	25500	14900	8350
LEAD	11/2	1#.8 J	15.50	11.8	Juli 12	144	29.1	15.1 J	₩ 434 J	30.7	543 J
MAGNESIUM	1880	1510 J	2640 J	1500 J	2550	2320	15100	3120 J	2620 J	4240	5530 J
MANGANESE	695 J	393 ∪	- 2780 J		315 3	268	1# 112 J	* # 675 J. *	413 J	491 1	413 J
MERCURY	0.12 U	0.13 U	0.12 U	0.13 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 J-	0.12 U	0.11 U
NICKEL	13.7	14.3	29.8	19.8	18.6	193	10:1	794	29.1	19.4	11.4
POTASSIUM	866 J	783	1180	830	1020 J	930 J	652 J	1480	1650	1280 J	801
SELENIUM	4. U	3.9 U	" 4.2 U	4.5 U	排8.7U	3.7 U	7.6 U	์ ∜0.65 ป ∓	© 0.95 J∓	0.45 J	0.76 J4
SILVER	1.2 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U	2.2 U	1.2 U	0.33 J	1.1 U	1.1 U
SODIUM	580 U	550 U	593 U.S.	ີ່ 649 U	# #531 U	525 Ü	540 U	1: 5A7 U.	≟.#∹ 673 U	558 U	- 561 Ü
THALLIUM	2.9 U	2.8 U	0.52 J-	3.2 U	2.7U	2.6 U	5.4 U	2.9 U	3.4 U	2.8 U	2.8 U
VANADIUM	24.6	20.8	34.3	20.7	1.31.4	32	13	30.4	24.6	26.€	17 💖
ZINC	37.5	42	58.7	32.5	42.2	39.5	38.7	65.4	362	96.1	82.4
CYANIDE	:: 0.25 J	3 U	3.1 📆	3.2 Ü	1, 2.9 U	ું "0.23 J	0.23 J	3 3 029	3.4 U	0.61 J	2.8 U

Notes: 1 0.62 Indicates concentration meets criteria for observed release (3x background in most cases)

- 2 J Indicates concentration is estimated
- 3 J+ Indicates concentration is estimated; value probably less than reported
- 4 J- Indicates concentration is estimated; value probably greater than reported
- 5 U Indicates analyte undetected by lab equipment
- 6 UJ Indicates analyte undetected by lab equipment
- 7 Background Soil concentration is highest of either X120 or X121

`~==

TABLE 7 - continued Ilada Waste Company Soil Analytical Results TCL Metals in mg/Kg

	Backgro Soil	ound	X111 Soil		X112 Soil		X113 Soil		X116 Soil		X118 Soil		X119 A Soil		X119 B Soil		X121 Soil	
	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	9390		5430		1400		6400		7190		9870		11900		9030		7140	
ANTIMONY	0.41	J.	0.76	J.	1.6	U	0.47	IJ	0.3	J.	0.39	J.	0.48	رے ل	0.28	J	0.25	J:
ARSENIC	4.1	J-	16.3	J-	2		6.4	J-	4.6		4.9		6.8		5.2	1	4.1	J-
EARIUM	120	7 / P	1770		21		300		128		⊤ 142		155	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	g139		120	1
BERYLLIUM	0.58	IJ	0.52	U	0.11	U	0.56	U	0.63	UJ	0.59	IJ	0.57	UJ	0.62	UJ	0.53	υ
CADMIUM	0.58	U	1.2	Maria Tomata	0.7	trans Verment	0.78		0.63	UJ	- 0.096	J -	0,57	UJ	0,62	UJ	0.53	U
CALCIUM	3310	J	6670	J	280000	Ĭ	18900	J	2060	Ĵ	4090	J	2490	J	2410	J	1960	J
CHROMILIN	13.5	. F.G	147	4.6	9.6		16		13.4		16,3		15.1	信款	17.9	Yw.	10.4	1.
COBALT	7.4		5.4		1.4		6.3		11.4		11.3		7.6		10.5	l	6.6	
COPPER 1	9.6		MA 57/7	14	9.6		196		115		147		117.6	2	13.8		9,6	
IRON	13600		10300		3200		12100		14100	75.22	19900		19300		16800		11900	
LEAD	112	T Light	3120	. a	∤ 28	2 - 2 - 2 2 - 2 - 1	排版第783		1 444	1	 10.8		220			J	9.4	1
MAGNESIUM	1880		1810		15000		2380		1590	J	2130	J	2200	J	2510	J	1360)
MANGANESE	695	J j	218	J éca	::: 220	and.	11373		367	J.	当。2310	im	346	J.M	230	J ·	951	J
MERCURY	0.12	IJ	0.11	U			0.63		0.13	U	0.13	Ü	0.11	U	0.13	U	0.11	ļυ
NICKEL	13.7	-	±## 29 , 2	LA CITA	5		\$∷⊈ 1 5:9	(4)	117.5	The same	21.4		15	h ning	23.2		13.1	1
POTASSIUM	866		866		460	υ	886		733		925		882	İ	999	ı	824	J
SELENIUM	+ 41	IJ,	0.45	J		Ui-	0.47	J !	4.4	U.	¥ - 4.2	U	0.62	J#	ii ⊊ 0.53	J+	3.7	U
SILVER	1.2	U	1	U	0.57	U	1.1	U	1.3	U	1.2	U	1.1	U	1.2	υ	1.1	_
SODIUM	580	Ú.	525	U	150	1	564	y	1-625	Ų.	593	U-	1280	11112	坐: +617	υ	532	ป
THALLIUM	2.9	U	2.6	U	1.3	U	2.8	υ	3.1	U	3	υ	2.8	υ	3.1	U	2.7	·]υ
VANADIUN	24.6	100	18.8		5.4		36.8		- 25.9		29,5		- ₁₁ ,,32,5		+ 28.5	E H	-19,5	1
ZINC	37.5		1070		53		207		38.4		43.2		44		49.1	j	36.1]
CYANIDE	0.25	1. 1	0.52	J	0.57	Ü	9.4	4	3.1	U.S.	3.1	U	排棄生。3	U	3.2	U	0.28	J -

Notes: 1 0.62 Indicates concentration meets criteria for observed release (3x background in most cases)

- 2 J Indicates concentration is estimated
- 3 J+ Indicates concentration is estimated; value probably less than reported
- 4 J- Indicates concentration is estimated; value probably greater than reported
- 5 U Indicates analyte undetected by lab equipment
- 6 UJ Indicates analyte undetected by lab equipment
- 7 Background Soil concentration is highest of either X120 or X121

TABLE 8 Ilada Waste Company Soil Analytical Results TCL Volatile Organic Compounds in ug/Kg

Sample Number :	E00R3		E00N7		E00N8		E00M7		E00Q3		E00Q2	
Sampling Location :	Backgroun	d	X101A		X101B		X102		X103		X104	
Matrix:	Soil	_	Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1.1-Trichloroethane	5	UJ	230	U	230	U	9.5	U	4.4	U	4.5	U
1,1,2,2-Tetrachicroethane	5	ີ ທີ ∞ I	230	ย	230	υ	9.5	บ	4.4	U.	4.5	U,
1,1 2-Trichloro-1,2,2-trifluore		U	230	υ	230	U	9.5	Ū	4.4	U	4.5	U "
1,1.2-Trichloroethane	- 5	U.	230	U	230	U.	[‡] ় চ 9 .5	U.	4.4	U -	ંક્ ંે 4. 5	·U.∳⊋
1,1 Dichloroethane	5	υ	230	U	230	υ	9.5	υ	4.4	υ	4.5	υ
1,1-Dichloroethene	. 5	U,S.	230	U	* - F _{x-} 36	J, ME	9.5	U	4.4	ับ 🔣	4.5	U
1,2 3-Trichlorobenzene	5	ŲJ	230	U	230	ΰ	9.5	UJ	4.4	U 🗀	4.5	υ
1,2.4-Trichlorobenzene	5. 5	ໜ	230	u,	. 27 m/280	IJ.	9.5	W T	4.4	Ü.	4.5	υ
1,2 Dibromo-3-chloropropar	5	U	230	ΰ	230	U	9.5	U	4.4	υ	4.5	Ü
1,2-Dibromoetharie	翻译	U	230	Û.	230	UF	9.5	Ū, T	4.4	0	4.5	U
1,2 · Dichlorobenzene	5	UJ	230	ϋ	230	υ	9.5	ÜJ	4.4	U	4.5	U
1,2-Dichloroethane ಾಡಿಕೆ	表表 图 5	U	230	U,÷	230	U	副 147,54	U, ME	A. T. 3.4.4	U 🚝	i≎ 7 4.5	U
1,2 Dichloropropane	5	U	230	U	230	U	9.5	υ	4.4	U	4.5	U
1,3-Dichlorobenzene	建建设的是5	UJ.	230	U//:	· · · · · · · · · 230	U	9.5	IJ	4.4	u.	4.5	U
1,4 Dichlorobenzene	5	UJ	230	U	230	U	9.5	UJ	4.4	Ü	4.5	U
1,4-Dioxane	100	A,	4600	H	4500	H	1390	R	. 89	R	89	R
2-Butanone	10	U	5.8	J	450	U	19	U	8.9	U	8.9	U .
2-Hexamone 本 : : : : : [本]	克雷拉到0	ָּט: ָּט;	460	U	117, 175, 11,	Û'n	管理+-19	U	8,9	U 🦠	8.9	U
4-Methyl-2-pentanone	10	U	460	U	450	U	19	U	8.9	U	8.9	U
Acetone	5.2		1000	O.	5 950	₩ ¿		U	6.1	J.	14	1,3
Benzene	5	U	230	U	230	U	160	J, ME	0.49	J	4.5	U
Bromochloromethane		U	230	u:	- 19-19-19-19-19-19-19-19-19-19-19-19-19-1		承转等4:9.5	บ่ะ	44	U	4.5	U 📜
Bromodichloromethane	5 1 - 1444 (1455)	U	230	U Francis	230	U	9.5	U RL Set#*	4.4	U loculorer I	4.5	Ü
Bromolom	A 2 1年 1888	80.	230	Ů.	230		9.5	ָּבֶּייָ י		W	4.5	W
Bromomethane	5	U	230	ປ ເຂົ	230	U Sinkaturu	9.5	U	4.4	U	4.5	ບ ນ ∯ ≟
Carbon disuffide	<u></u>		230	U	230	U		U 配数	4.4	uщ	4.5	U
Carbon tetrachloride	5 اے تکاشہ شہرہ کا	UJ	230 : 地域數量配	U Ura	230		9.5 ∉::::::::::::::::::::::::::::::::::::	W.		U HSF	4.5	
Chlorobenzene	5 5	W	230	r Independ	230	DESTRUCTION OF THE PROPERTY OF	9.5	U UJ⊞	. , ,	υ ⊹ ⊹	4.5	U≜∌
Chloroethane	5 5100000000000000000000000000000000000	U TOP	230	Ü.	230 230		9.5 第43 9.5	UFF	4.4	U	4.5	U Lui≅
Chlorotorm Chloromethane	ுர்க்கத் 2 5 5	U	230	U	230	U	##### #### 9.5	erentario (4.4	11	4.5 4.5	U
cis-1,2-Dichlorpethene	÷±±€ 5	0	230	U.		-	9.5	U	4.4	ŭ :	4.5	ប់ាះ
cis-1,3-Dichloropropene	5%等的特別等	⊬™ri U	230	U U	230	ETXSAG:	9.5	U 5	4.4	U	4.5	Ü
Cyclohexane	€ # ± 5	Ŭ.	230	UES	230	Usia		ME	4.4	US	<i>∴</i> 1.5	Ü
Dibromochloromethane	5	U	230	U U	230	U	9.5	U U	4.4	U I	4.5	U
Dichlorodifluoromethane	新作品更 5	U &	230	U.	230	ni.	4.12.95	D#	MIC \$ 4/4	U競	4.5	U
Ethylbenzene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	υ
Isopropylberizena	建 野港港数5	U	230	U-1	140	J, ME	× 1500	ME.	44	U.A	4.5	U.
m,p-Xylene	5	υ	230	Ų	230	บ้	9.5	U	4.4	υ	4.5	υ
Methyl acetate	注意	U.	230	បៈ្	230	U÷L	÷ • 9.6	U	4.4	Ü	4.5	υ'n
Methyl tert-butyl ether	5	υ	230	υ	230	U	9.5	U	4.4	U	4.5	υ
Methylcyclohexa ne 1 1995	\$	\mathbf{u}	230	U	्रा ु* 230	Ų	24000	ME-	4.4	U 🦠	4.5	υ
Methylene chloride	5	UΙ	1.1	J	1.5	J	250	J, ME	1.4	J	1.2	J
o-Xylene.	5	U ar-	230	U.	230	Ų s	9.5	U	4.4	υ÷	4.5	u,
Styrene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
Tetrachloroethene	李 译 5	Ü.,		U≓≴	14 1	U.	9,5	U *	4.4		4.5	U
Toluene	5	U	230	U	230	U	9.5	U	4.4	U	4.5	U
trans-1,2-Dichloroethene	5	U	230		230	n,	,	U . :	84 - No. 1 1194	U	4,5	U
trans-1,3-Dichloropropene	5	U	230		230	U	9.5	U	4.4	U	4.5	U
Trichloroethene		U		ហ			क् ं∌¥ 9. 5			U :-	. 1 1 d.4.5	
Trichlorofluoromethane	5	U Lucas inter	230		230	U	9.5	U	4.4	U	4.5	U
Viriyi chloride	5	U	230	UJ	230	OJ	9.5	U"	4.4	ÛΝ	4.5	ໜ

Notes: 1 20.2 Indicates concentration meets criteria for observed release (3x background in most cases)

2 J Indicates concentration is estimated

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- 3 U Indicates analyte undetected by lab equipment
- 4 UJ Indicates analyte undetected by lab equipment
- 5 ME Indicates result is from sample analyzed for medium-level contaminants
- 6 R Indicates data rejected and unusable for any purpose

TABLE 8 - continued Ilada Waste Company Soil Analytical Results

TCL Volatile Organic Compounds in ug/Kg

Sample Number :	E00R3		E00Q5		E00P2		E00P4		E00Q6		E00P7	
Sampling Location :	Backgroun	d	X105		X106		X107	i	X108		X110	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	4.8	UJ	4.4	U	4100	J	17000	J	6.4	IJ	220	U
1,1,2,2-Tetrachic roethane	4.8	U	4.4	U	240	ΰ	390	U-		Ù,	220	Ų, ' '''
1,1,2-Trichloro-1,2,2-trifluoro	4.8	UJ	4.4	U	240	U	390	R	6.4	υ	220	U
1,1,2-Trichloroethane	-48	W	44	U	15	1, 7,	4760	11.1	6.4	U	220	Ü
1,1-Dichloroethane	4.8	U	4.4	U	120		13000	J	6.4	U	220	U
1,1-Dichloroethene	4.8	14 17 17	4.4	U	, 230	A 124		ปฐา	6.4	U	220	ູນ,ີ
1,2,3-Trichlorobenzene	4.8	U	4.4	U	240	U	390	UJ	6.4	U	220	ŲJ
1,2,4-Trichlorobenzene	4.8	U	指率27. 4.4	U	240	U	39	建型.	6,4	Ų:	220	
1,2-Dibromo-3-chloropropar	4.8	U SA NASCO	4.4	U	240	U	390	UJ	6.4	U	220	U
1,2-Dibromoethane	48	'U) =	44	Ure	240	Ų	390	P AR	## # 6.4	U.	220	U.s
1,2-Dichlorobenzene	4.8	U Historia	4.4	U CEARS S	240	U	390	UJ Walsa	6.4	U	220	UJ
2. Dichloroethane	4.8	5	43	U	240	Usia	390	11.0	8,4	Ų	220	U SA
1,2-Dichloropropane	4.8	UJ UJ	4.4	uii .	240	U	390 390	U Nation#	6.4	ບ ໄມ່:⊹ໍ່	220	U Umaia d
1,3-Dichlordbenzene	4.8	U	4.4	Ü.	240	Vesti	390	UJ UJ	6.4 6.4	ا . د ا	220 220	UJ UJ
1,4-Dioxane	4.8	Ri€	4.4 -@*1∉88	H. ↓	4800	B.	7700	B	130	Bris	220 4400	DJ R∂
2-Eutanone	9.6	LD學之。 U	8.8		480	U	770	<i>(P°≏≗</i> . R	13	7	440	U.
2-Hexanone	40 P.J. 058 K	_	成 号8.8		480	บ	学篇初		13 15 (15) 13	υ i	440	10根
4-Methyl-2-pentanone	9.6	U	8.8	()	480	U _N	770	∭A## U	13 13	U 2"	440	U, m
Acetone	4	∯=1 =	7.8	un-	436	****	### 240	_	fe 21 26	4	28 28	15.75% 1-169
Benzene	4.8	-39e4⊖ I	13		5.7	1967年代	390	動物を	6.4	ee :ª≝ U	3.4	in nafi≱i J
Bromochloromethane	### 418	ÜÆ	(51.0±4.4	ij.	240	U.		H	6.4	Ü:	220	U.S
Bromodichloromethane	4.8	UJ	4.4	U	240	∏ Agus ab	390	U	6.4	U	220	U.
Bromoform重排以臺灣	4.8	ÜĴ	1705 44	ໜ້	240	υ÷æ		A.	1.4184	ŭ.⊯	220	U vé
Bromomethane	4.8	U	4.4	U	240	U	390	U	6.4	U	220	U
Carbon disuffice	48	DE!	15- 4A	U.	2.8	J.A.	接接 \$90	U;	6.4	U∷∰	14 220	U
Carbon tetrachloride	4.8	ÜJ	4.4	U	240	U	2300	J	6.4	UJ	220	U
Chlorobenzene	4.8	Ut.	44	U)	240	10	29年2月390	U**	6.4	り握	量价。220	W
Chloroethane	4.8	U	4.4	Ų	240	U	390	ΰ	6.4	U	220	U
Chloroform # 1	4.8	U	36-3-44	U	240	U	₩ 390	H	想 16.4	U.	. 1. 220	U
Chloromethane	4.8	U	4.4	U	240	U	390	υ	6.4	U	220	U
cis-1,2-Dichloroethene	4.8	U	74.4	ָּל ָ יַל	34000	ME	·220000	NE !	6.4	U.	220	ŪŦ,
cis-1,3-Dichloropropene	4.8	IJ	4.4	J	240	ΰ	390	U	6.4	U	220	J
Cyclohexane : : : : : : : : : : : : : : : : : : :	j. 4.8	M.	4.4	,U ,	240	U憲法	析機論790	10.	1 4 6.4	U	*** ‡ ‡ 220	Ų.
Dibromochloromethane	4.8	U	4.4	U	240	U	390	R	6.4	U	220	U
Dichlorodifluoromethane.	4.8	U.	41 43	U -	240	U##	新展等390	U##	11.118.4	Ų.,,	220	U
Ethylbenzene	4.8	U	5	17.05	51	J	920	ل ل	6.4	U	220	U
Isopropylbenzen at a	4.8	U),è			23		230	罐	184.83	טי יי	1.8	J
m.p-Xylene	4.8	U	8.6	Actions	210	J	2700	J	6.4	U	220	U
Methyl acetate	4.8			U 🚎 🧸	240	可持续			A. A. B. C. L. C. L. C.	Ų.	220	U∵∄
Methyl tert-butyl ether	4.8		4.4	υ	240	U	390	R	6.4	U.3.77.7	220	U
Methylcyclohexane : * * *		,UJA	, ,	1	<u> </u>	278		U⊸	`		37	
Methylene chloride	4.8	UJ	1.3	J 3 3 4 7 71	2.2	J	4700	J, ME	1.5	J caratana	1.1	J Faller wil
o-Xylene	₩. 8		德斯· 34.4	44,000	82 040	<u>.</u>		UELA	第四章84	A4-69	220	1
Styrene	4.8	U	4.4	U	240	UJ	41	1992 7 5 1	6.4 60 brouters	0 301 14	220	U
Tetrachloroethere:	1.5	Ú⊯.	4.4		3900	J.	15000	20 6 6 1 14	6.4	V.	220	
Toluene trans-1,2-Dichloroethene	4.8	U	4.4 Produktifikalis	U UZ	2800	ME	6800	J	6.4	U Nation	220	
trans-1,2-Dichloroetnene	4.8		4.4 4.4	U. U	40 240	ا	± 11000	₩ U	6.4	U U		U.
	4.8 (新春草 1-3 8.6	Ü.	4.4			-	390 3 300000	-	6.4 6.4	~	220 220	
Trichloroethene Trichlorofluoromethane	4.8		4.4	U	26	機能裝	1100	ME.,	6.4	٠.٠	220	
Vinyl chloride		0.3	4.4 [3] 4.4		5.1	अ क्ष	1100 इंग्रेस्ट इ 95 0	ປ ປ ີ	0.4 11.∳ 4 6.4	in "	220 220	
Anal curcing 12 12 12 12 12 12 12 12 12 12 12 12 12	1. E	一 字第	. St. 3 1 1 1 4 1 4 1	, v	5.1	4.17	100 15 med 200	u ::.	12 3 9.04	0	حد ، حد ا	١٠ ا

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Notes: 1 20.2 Indicates concentration meets criteria for observed release (3x background in most cases)

- 2 J Indicates concentration is estimated
- 3 U Indicates analyte undetected by lab equipment
- 4 UJ Indicates analyte undetected by lab equipment
- 5 ME Indicates result is from sample analyzed for medium-level contaminants
- 6 R Indicates data rejected and unusable for any purpose

TABLE 8 - continued Ilada Waste Company Soil Analytical Results

TCL Volatile Organic Compounds in ug/Kg

Sample Number :	E00R3		E00Q1				E00R4		E00N9		E00P0	_
Sampling Location :	Backgroun	d	X111		X112		X113		X116		X117	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroe:hane	4.8	IJ	5.1	UJ	ND		4.6	ŲJ	250	U	230	U
1,1,2,2-Tetrachloroethane	. ∱ ∃4,8	Ü	1 51	R	ND		4.6	u 🗄	250	ប	230	ີປີ:
1,1,2-Trichloro-1,2,2-trifluoro	4.8	UJ	5.1	U	NA		4.6	υ	250	U	230	U
1,1,2-Trichloroe hane	4.8	UJ-	# 15.1	U	ND	7.7	4.6	u.	250	Ü	230	U
1,*-Dichloroethane	4.8	Ú	4200		ND		4.6	U	250	U .	230	U
1,1-Dichloroethene	. 4.8	W	. 5.1	U _e	ND	. N.	4.6	1777 75		U.	,	u
1,2,3-Trichlorobenzene	4.8	U	1500		NA		4.6	UJ See 62	250	U	230	U
1,2,4-Trichlorobenzene	/复 計4:8	U ₃	4900	ME.	NA NA	1.3	4.6	1752	250	U	230	1
1,2-Dibromo-3-chloropropar	4.8	U	5.1	R	NA		4.6	U ec≽≕⊷	250	U	230	U state to
1,2-Dibromoethane		ÜÜ	5.1	U	ND		4.8	F F	250	U	230	
1,2-Dichlorobenzene	4.8	U Herris I	5.1 • • • • • • •	UJ	NA	. 1	4.6 *-** ≴4.6	UJ	250	is n	230	U Historia
1,2-Dichloroethane	4.8	ÜJ	5.1	U	··········NA	\$15° . I	4.6	U	250 250	U.S	230 230	U
1,2-Dichloropropane 1,3-Dichloropenzene	4.8 *×::	เ บ	5.1 录序集: 260		ND NA		4.6		250 250	U	230 230	
1.4-Dichlorobenzene	4.8	Ų. U	900		NA NA	1	4.6	UJ	250 250	O _{ke} is	230	U,
1.4 Dioxane	4.6 ≘ ∜ ⊹ ∵ .96	R:	35 1 100	R	NA NA	المخطر وا	4.0		the state of the same of the	R ain l	4700	H35∵
2-Butanone	9.6	#3%[] [U	54	Hart St.	- '\ <u>\</u>	2. * . 1	9.3	持護難 U	5000 500	i S≱i, ≥ U	8.9	
2-Hexanone	9.6		-4991 Mg 10	Ü	∮≽ ≪3.4	380, 1-1	9.3	carmer.	500		470	ູບຸ
4-Methyl-2-pentanone	9.6	U.	470			144	9.3	(2/9/≡ ≓ U	500	Heren.	470	₹U.
Acetone	型(月52		⇒ 1130		∰## .31	neste i	地元地位57		A 17 14 19	報	是为法统约31	1
Benzene	4.8	Ü	1300	J, ME		1 1 1 1	3.6	J	250	U	230	± ∵∜⊬ ∖
Bromochlorome than	M., 4546	17.3	5.1	Ú.T	THIND	70 E.	4.6	U	250	THE	230	U.A
Bromodichloromethane	4.8	UJ	5.1	U	ND		4.6	U	250	υ	230	UJ
Bromoform	4.8	LNJ.	5.1	UJ.	ND.	计量点	神学 事6	W.	250	Ú.	230	Ula (
Bromomethane	4.8	U	5.1	U	ND	van 1,7 ;	4.6	U	250	ΰ	230	U
Carbon disulfide	. 4.8	U 10	字44.4.571	Ur 🕆	de®ND		4.6	U∗∜	250	U	230	U.
Carbon tetrachloride	4.8	υĴ	5.1	UJ	ND		4.6	ÜĴ	250	U	230	U
Chloroberizene:	4.8	U	Mark # Bit	עט -	ND	frien.	4.8	ໜ້	250	U	± 230	U."
Chloroethane	4.8	Ü	5.1	U	ND		4.6	U	250	U	230	U
Chloroforms & Land	**************************************	O ·	5.1	U, F	ND	4.5	H 44.6	U.	250	U.	230	U
Chloromethane	4.8	U	5.1	U	ND		4.6	U	250	U	230	U
cis-1,2-Dichlorogthene	# G 2 148	U.	7300		2.9	15 1 1 1 W 1	本語和8	Th. OH.F.	250		230	4.4
cis-1,3-Dichloropropene	4.8	UJ	5.1	U	ND		4.6	U	250	U	230	J
Cyclohexane	4.8	W	1200		o NA	176	4.6	U\$	250	u,	230	W
Dibromochloromethane	4.8	U Exter 42	5.1	U ZE	ND	2 35 40	4.6	U SAGOSSINE	250	U	230	U
	20.7748		2 4 1 5 1	<u>U</u> .	≱∦- NA	1	454.10.40	wy. marry	250	排榜	230	Ules
Ethylbenzene	4.8	U Nami/a	1600		ND	SENT.	4.6	ี UJ เกมสะ	250 250	U UFI∰	230	iu Tuber
Isopropylbenzer e	125 M 48		# # 25 0	MESS.	NA NA	7 ¥-₹¥°	1.3 4.6	1	250 250	O. C.F.	230	.05
	4.8	U Display 1	4500	ME	NA NA	1,71,14	4.b	U	200	U Nation	200	บ เบ
Methyl acetale Methyl tert-butyl ether	4.8	UJ UJ		U‱∳ U	NA ND	1	4.6 4.6		250 250	U.	230 230	U
Methylcyclohexane		. UJ ≨∳			ND NA	id., 73mi	- 20		}			_
Methylene chloride	4.8	UJ	5.1	U	ND	* 6·	4.6	U	1.5	1	1.4	J
o-Xylene	1		2800		, NA	j 12"	4.6		250	U		U :
Styrene	4.8	U	5.1	UJ	ND	S ,	4.6		250	U	230	U
Tefrachloroethene		Uarr	390		es ≝ND	4		₩ŧ		-		
Toluene	4.8	U	4800		2.1	. T #1.50	4.6	UJ	250	U	230	U
trans-1,2-Dichloroethene	4.8		2	J. f	THE ND	j Čina Jugos	4.6		250		230	-
trans-1,3-Dichloropropene	4.8	UJ	5.1	U	ND	Percentage.	4.6	U	250	U	230	U
Trichloroethene	4.8	10 65	1400					UJ.		Ü:	230	U
Trichlorofluoromethane	4.8	UJ	5.1	U	ND	e eve	4.6	¥.,	250	Ü	230	Ū
Vinyl chloride	4.8		1500	J.	E NO			יט.	250	W	121 SI 23 0	w I
						1997	m *6 12 x	. : 1				•

Notes: 1 20.2 Indicates concentration meets criteria for observed release (3x background in most cases)

- 2 J Indicates concentration is estimated
- 3 U Indicates analyte undetected by lab equipment
- 4 UJ Indicates analyte undetected by lab equipment
- 5 ME Indicates result is from sample analyzed for medium-level contaminants
- 6 R Indicates data rejected and unusable for any purpose

TABLE 8 - continued Ilada Waste Company Soil Analytical Results TCL Volatile Organic Compounds in ug/Kg

Sample Number:	E00R3		E00P1	•	E00P5	_	E00P6		E00R2	
Sampling Location :	Backgroun	ď	X118		X119B		X119A		X121	
Matrix	Soil	-	Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	4.8	UJ	250		36	J. ME		UJ	5	UJ
1.1.2.2 Tetrachloroethane	4.8	41	250	tr"W	26 0	Ü	280	Tir	5	urz.
1,1,2-Trichloro-1,2,2-trifluoro	4.8	UJ	250	ΰ	260	U	280	UJ	5	ŭ
1,1,2-Trichloroethane	4.8	UJ	250	U	260	U :-		Ú-	复数 4.5 . 5	U
1,1-Dichloroethane	4.8	Ü	250		260	U	280	η, , , , ,	5	U
1,1-Dichloroethene	4.8	UJ	250	U.Š	260	U.	280	U.	2 10 5	u ្ន
1,2,3-Trichlorobenzene	4.8	U	250	U	260	U	280	ับม	5	IJ
1,2,4-Trichlorobenzehe	-::4.8	U.	250	U	260	Ú₹5	280	UJ 🕾	藝術/打鬥5	W.
1,2-Dibromo-3-chloropropar	4.8	U	250	U	260	U	280	υ	5	U
1,2-Dibromoethane	∄ो (=: ≢4.8	UJ.	250	ָּע ֶּ	260	U.S	.∉⊋∴ 280	W	5	U
1,2-Dichlorobenzene	4.8	U	250	Ü	260	U	280	UJ	5	UJ
1,2-Dichloroethane	4.8	U3 :	- y 250	Ū 🕮	260	U	280	U	数 当5	U .":
1,2-Dichloropropane	4.8	UJ	250	U	260	U	280	υ	5	U
1,3-Dichlorobenzene	4.8	U	,	U	√ 260	U	280	ักัง .	1 5	UJ
1,4-Dichlorobenzene	4.8	U	250	U	260	Ü	280	UĴ	5	UJ
1,4-Dioxane	96	$R_{i,i}$	−¥1,5000	Ħ.	5200	\mathbf{R}_{22}	5800	R	装件验100	Fi ·
2-Butarione	9.6	Ü	550	J, ME	520	U	560	υ	10	U
2-Hexanone	49.6	ָּעָרָ.	500	֓֞ ֞֞֞֞֞֓֓֓֓֞֞֓֓֓֓֞֞֞֓֓֓֞֞֞֓֓֡	520 ± 520	Ú.	560	U	10	U:
4-Methyl-2-pentanone	9.6	U	500	U	520	U	560	U	10	U
Acetona:	32	V)	引起等30		520	U _{EE}	560	U	5.2	J
Benzerie	4.8	U	65	J	260	U	1.6	J	5	U
Bromochloromethane	4.8	U	250	U	260	U	280	U	3 6 5	$\mathbf{U} + \mathbf{v}$
Bromodichloromethane	4.8	UJ	250	U	260	U	280	U	5	U
Bromoform	学 - 接4.8	U)	250	ا ﴿ لِللَّا	260	u.	280	10-16-17-18	5.45	ໃນ
Bromornethane	4.8	U	250	U	260	U	280	U	5	U
Carbon disulfide	4.8	其	250	Užis	#: -#:26 0	ا ز لا	280	Udi	5	Unit
Carbon tetrachloride	4.8	UJ Bénékasa	250	U Jaconson state	260	UJ	280	UJ	5 (##:::::::::::::::::::::::::::::::::::	UJ
Chlorobenzene 4 信息	4.8	UEL	学250	143	<u>i</u> 260	も専	280		Walks	W.
Chloroethane	4.8	U Stiles ve	250	U HEXX.SI	260	U	280	U	5 Scentineradae	U stratatori
Chioroform ()	4.8	U ::=	A RITHRADA A	76	260	U '	280	บ	5000 55	U
Chloromethane	4.8 2.4 €	10	250	U Farancia	260	U	280	U Data Nasa H	5 Martin Sattle 144	. عادة عنوا
cis-1,2-Dichloroethene		U	250	u.	260	U	280	计验	学 》 5	UEA
cis-1,3-Dichloropropene	4.8	UJ	250	U	260	U	280	U	5 	U
Cyclohexane	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	W)	多新年4300	ME	260	υŵ	280	14 86	5	U _{it} .
Dibromochloromethane	4.8 disease	UE	250	u Tu I.I	260 260	U 10 ⊛≐1	280	U	5 1440 - 1460 -	U Uc≟
Dichlor diffuorprivethane Ethylbenzene	4.8 4.8	医	250	R	260	SS II	280 280	UJ UJ	10	· (4)
Isopropylbenzene	4.8 4.8	اعتريل		ME	260	113.5	280 2 80	00	C at the case	l Herri
m,p-Xylene	4.8		250	70 - 70	260	10	2 8 0	4.4 3.42		U
Methyl acetate		133		U		u .:		UU	5 100 5	
Methyl tert-butyl ether	4.8 4.8	UJ ≝	250	ua;/∴i U	260		2 80 280	UJ	5 S	ε υ έςΣει U
Methykyclonexane		_	250 1 9000	-		U			製料 2.5	U
Methylene chloride	4.8	UJ	1.8	naice≊i	260	- 4	1.1	J	我翻译的""。	l o
o-Xylerie 显著 200 Act 100 Act		ון דער		.R.a.d		o degr		W.	3盖汽车8	Ü
Styrene	4.8	U	250	R	260	' '	280	UJ	B## 1 (1) 1 5	U
Tetrachlordethene	∴ ₹ 4.8	u.		Ro.∂	260		280		建立 44.5	_
Toluene	4.8	u U	250	R	15	J. ME		UJ	<i>*=</i> ₩,/: <i>:</i> #% <u>*</u> 5	U .
trans-1,2-Dichloroethene		_		u.	260			U		Ŭ
trans-1,3-Dichloropropene	4.8	UJ	250	U	260		280	U	15% γ 15% ± 15 5	Ü
Trichloroethene			4100	-		Üşti	280		3 5	Ü.
Trichlorofluoromethane	4.8		1	U	260		280		5	υ
		U	250			U- y	280			Ű.
\$1.7100000000 AVVIII 4.1		11.1	State of the state				· · · · · · · · · · · · · · · · · · ·		n ### 5 (N.E. T.)	

Notes: 1 20.2 Indicates concentration meets criteria for observed release (3x background

- 2 J Indicates concentration is estimated
- 3 U Indicates analyte undetected by lab equipment
- 4 UJ Indicates analyte undetected by lab equipment
- 5 ME Indicates result is from sample analyzed for medium-level contami
- 6 R Indicates data rejected and unusable for any purpose

TABLE 9
Ilada Waste Company
Soil Analytical Results
Semi-volatile Organic Compounds (ug/kg)

Miles Pr

Sample Number :	E00R3		E00N7		E00N8		E00M7		E00Q3		E00Q2		E00Q5
Sampling Location :	Background		X101A		X101B		X102		X103		X104		X105
Matrix:	Soil		Soil		Şoil		Soil		Soil		Soil		Soil
Urits :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result
1,1'-Biphenyl	200	UJ	200	Ü	200	U	370	U	200	U	200	υ	1800
1,2,4,5-Tetrachlorobenzene	200	Ū į	€ 6 ≆200	U n	200	U	370	์ บั	200	U= x	200	u.	
2,2"-Oxybis(1-chloropropane)	200	R	200	U	200	U	370	Ü	3.2	J	200	U	1800
2,5,4,6-Tetrachlorophenol) 序 200	υ	200	T.	200	0	344370	U.	200	ับ "	200	ີ "	1800
2,4,5-Trichlorophenol	200	υ	200	U	200	U	370	U	200	U	200		1800
2,4,6-Trichlorophenol	200	U 🔠	200	O T	200	ប🤳	370	ົບ	200	UE	200	Uziel	1800
2,4-Dichlorophenol	200	Ü	200	U	200	U	370	U	200	U	200	U	1800
2.4-Dimethylpheriol	≣∜	υÆ	号 ²⁰⁰	U +	200	ט' '	370	山越	200	ប	200	U,	7 1800
2,4-Dinitrophenol	390	U	390	U	390	U	730	U	390	U	390	U	3600
2,4-Diritrotoluene	200	w	200	ับ	200	Ų.	370	Urse	200	U	建设310		≥ ∴≦1800
2,6-Dinitrotoluene	200	UJ	200	U	200	Ū	370	U	200	U	200	U	1800
2-Chloronaphthalene	200	Ü,	200	Ų,	200	U±(370	Ù.	200	U ÷+	200	U≇∉	- 34 E 800
2-Chlorophenol	200	U	200	U	200	U	370	υ	200	_	200	U	1800
2-Methylnaphthalene	± :≘}=200	Ú	200	Unit	差 異480	1.	j 2200	- 10°	‡y 2.8	Ĵ.P.	≓± 20 0	\mathbf{u}^{-}	590
2-Methylphenol	200	U	200	U	200	Ü	370	Ü	200	U	200	U	1800
2-N troaniline	390	υŘ	390	D'E	1 390	υ÷	730	Ù.	390	ນໍ 🐴	1 39 0	Ü	3300
2-11 trophenol	200	UJ	200	U	200	U	370	U	200	U	200	U	1300
3,8 Dichlorobenzidine	200	U⊫	200	U	200	Ušv	370	U	÷	U	. 200	U.	1800
3-Nitroaniline	390	U	390	U	390	U	730	U	390	U	390	U	3600
4,0 Dinitro-2-methylphenol	390	U _n	, 3 39 0	UH	390	ЙĀ.	730	Ù	390	u:	390	ЛM	± 33600
4-Bromophenyl-phenylether	200	UJ	200	U	200	U	370	U	200		200	UJ	1300
4-Chloro-3-methylphen of		び震	200	U.	: 200	U	370	U	200	U.	CASSESSOR CO. 1. 1. 4		非特别800
4-Chloroaniline	200	U	200	U Be≅ <i>aē</i> :	200	U	370	Ų	200	U	200	U	1300
4-Chlorophenyl-phenylether	200	w	200	47	美 £200	1000	370	U	臺灣 200		20b		当时 引 35
4-Methylphenol	200	U ar vær	200	U	200	U	370	U	200	a i	200	U Elementari	1300
4-N trouniline	390	U	ો. ;ા દ્ર 390		390		730	U	e e a a general de la companya de la	U	390		3600
4-N trophenol	390	U 193450	390	U	390	U SHELL	730	U *::33%	390	U Jarri	390	U waste	3600
Acenaphilhene	7 77 74 M	U.	₹** - 20 0		850		¥≱-⊱ 3 7 0		\$ \$400	u.	. 20 0		ં ≱ .190
Acenaphthylene manageのtalentees well を規模されてきることがで	200	U ≝and	200	U Leen∴⊗	200 انقلاڪية شياطة	U #eares m	370	U	2.8 ಜಾಕಕ್ಕಳು ಪತ್ರಕ	J Sanarati	200	U Bakker=	1300 ###################################
Acetophenone	¥	W.	1 + A 200		是是1200	Ų.	· including	O.	200	u :	200		1800
Anthracene	200	U	200	U Janai Me	590	ingerite :	500	diamet	6 758788855	ا الأنظية	200	U 表部基	1800. ⊑∷st€⊛∗
Attazine		ic)	200		200	Ů¥-	4 √ 37 0		1. p. 171 - 1	Ug:	200	Ú.	第3600
Benzaldehyde	200	U ¥j£⊵≨	200	U	200	U	370	U	200	U U®	200	U	1300
Benzo(a)anthracene	200	7 - 11	200	֓֞֞֝֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	340	49,71	300	Jrgar L		U	200	υŲ.	270
Benzo(a)pyrene	200	U ⊌toten	23	1	310	H245-7	250	J	37	J Nast⊞l	20	J 	340
Benzo(b)fluoranthene	200		26				, N. 230	北京	29	J		U . M.	290
Benzo(g,h,i)perylene	200		200	U Newsgraph	69	J Att.	74	J ⊧wa.z∵i	60 25	J	24	J sykdeta	170 k ≜ ∉≲83 - ∧
Benzo(k)fluoranthene	,		≈ H. ± 20 0			(ji)	- 181 - 181			÷: '÷ال	- 34 17		140
Bis(2-Chloroethoxy)methane	200 200 (Original		200	U La Résul	200		370		200 5::s=::::::::::::::::::::::::::::::::::	U	200		1800
Bis(2-Chloroethyl)ether		R.	1 1	邛驢			370			บ			1800
Bis(2-ethylhexyl)phthalate	200	UJ	200		200		370		200 200		200		1800
De Lymenz yipi minanana	2 00 200	UJ	2000 20		200 200	U ÷į: U	370		200 200	U	200		∞:≝ 1 1800 1800
Caprolactam Carbazole		U		J J	200		370			J	200 200		1800
Chrysene	200	U	7 1	14 1 1 1 E	460	`	400	## (#P)	200	U.		, OJ	480
Of rysene Dibenzo(a,h)anthracene			22	ر 1. ا	200	1	370	A const	2 2	Ĭ.,	11 200	111	
	200 200		: 200 200			١		1	200	U ,	200	1	18 00 1800
Dibenzofuran Diarhylotithaliste	200 200		200 200		200 200	₁₁	370 ··· ; 370		200 200		200 200		1800 ÷s≗18 00
Die hylphthalate	200	U.		O (FILE)	200	,	3/0	∪	200	U		٠ .	

TABLE 9
Ilada Waste Company
Soil Analytical Results
Semi-volatile Organic Compounds (ug/kg)

None

Sample Number :	E00R3		E00N7		E00N8		E00M7		E00Q3		E00Q2		E00Q5	
Sampling Location :	Background	ı	X101A		X101B		X102		X103		X104		X105	
Matrix	Soil	Soil		Soil		Soil		Soil		Soil		Soil		
Units:	ug/Kg	(g ug		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		
Semivolatile Compound	Result	Flag	Result Flag		Result Flag		Result Flag		Result Flag		Result Flag		ug/Kg Result Fi	
1'-Biphenyl	200	UJ	200	U	200	υ	370	U	200	U	200	U	1800	U
1.2.4.5-Tetrachidroberizene	200	U:	 0.200	Ú.	200	U.	370	Usa	200	U:-	200	U	1800	Uni:
2,2'-Oxybis(1-chloropropane)	200	R.	200	U	200	y -1	370	U	3.2		200	U	1800	U
2,3,4,6-Tetrachlorophenol	200	Dest			200		74 (F) 370	-	200	บ่:≱-	200	1000	x 1800	-
2,4,5-Trichlorophenol	200	Yv∷} U	200	U	200		370	V.	200	U	200	ردست. ا	1800	n Z
2.4,6-Trichlorophenol	200	นั่:	-1-1-200	Q.	200			U.S.	200	Ú.		ut-	1800	UM
2,4-Dichlorophenol	200	L¥iC.t*i U	200	inesana U	200	i	370	u≊aya. U	200	U	200	U U	1800	, V q# U
2,4 Dimetry phenol	200	TO !!	200	U.	200 200	16-75-00	370	-	200	_	200	-	14 No 800	
2,4-Dinitrophenol	390	U	∌કક્ક≝ સ્ત 390	U	390	Ų.	بغ ت <u>حت تحت به</u> 730	U	390	.¥an U	390	U	3600	inger: U
2.4-Dinitrophenol	200	w.	200	o :	200		730 370		200	n e	对智慧310		1800	LIE.
2.6-Dinitrotoluene	4 1455A. A. A. B.	UJ.	A 674 C 1117	U	200	77.5-3	1,12,12			U	200	Ç∰i	1800	U
2. Chloronaphthalene	200	03 1747	200		200 200		370 3 70	U Tokar	200 200	Ú.	200	U	1800	-
2:-Chlorophenol	200	U	200	U	200	9 3.3	370	· O (*); ;	200	Ussą.:	200	U.	1800	U
2-Methylnephthalene	200	M-44	200	U.	200 2480	- 12.5°		-E-1	2.8	IJŔŝ÷	200 有 美200		1 4≥ 590	J. 4
· · · · · · · · · · · · · · · · · · ·	1.1	. To 28		Jugari U		薦術	A 2200	Later	A		100 M 30 x 30	U	1800	製料
2-Methylphenol 2-Nitroaniline	200	U	200		200 1 390	0 6 6	370 730	U Te	200	U	200 3 90		1800	
**	390	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	secure was a children	U U			, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		390				Marin Markey 1	
2-Nitrophenol 8.3-Dichlorobenzialne	200	U J	200 200		200	U 扩着	370 发展 370	U GRAT	200 200	U U	200 200	U u∷∗.	1800	U N
St.3:-Dichiorobenzidine	200	U U	390	ndii.		U U	198 3441 LACE	JT 84. P .	200	υ. U	2 00 390	U	3600	U
4.8-Dinaro-2-methylphenol	390	_	390 741113 390	划機	390 390	-	730 730	U U ³∵	390 390	U	390		3000	111
		777 1 201 1.0	S 40.2 M	[54 9等] U	9 . 9	¥.		- 94 .7%;	, , ,	0	,	UJ	1800	U U
4-Bromophenyl-phenylether	200 200	UJ	200 200	U.	200 200	Ü.	370	ur).	200	U S	200 200		1800	
*-Chloro-3-methylphenol	to destinate of the	U ∗	m . 2 . m	製器 U	28. St. 1. W. T. 7. 7. 7. F.	9F. 7 % %	0.0000000000000000000000000000000000000			+~ /	4	V		
4-Chloroaniline	200 200	U U	200 200		200 200		370	U	200	U	200	∪ W .	1800	
Chlorophenyl-plienylether	· · · · · · · · · · · · · · · · · · ·	12273	77 121.11 1 114.21	m	THE PERSON NAMED IN COLUMN 1	2 3		E 328-361	अक्षान्य क्ष	U,		6 11 13 V	Apr. 51 . 12 A T. 145	S. Law S.
4-Methylphenol	200 E 5 Septembro Sec	U POMES	200	U .	200 200	U #15957	370	U U	200	U U	200	U الاستخدادة	1800	U
4-Nitroanfire	390			UP:	2 390	ប់ដំរូវ		SO PER	390		4 F. Bish L. M.	2 200	3800	
4-Nitrophenol	390	U 2005	390 390	U Handalari	390	U Coarse	730	U Base and	390	U	390	U stratesta	3600	R
Accelerations of the second	† ≑† ∵° 200 0	U.	Come the season and it.	弹	850	量	370	U≱-		U	200	U	夏 第180	训练
Acenaphthylene	200	U	200	U	200	U U	370	U	2.8	J	200	U	1800	U
Acetophenone .	200	W.	**** *200	0鏖	200	U	370	U#	200	U	200	U	H \$1800	18
Anthracene	200	U	200	U	590	4	500		6	J	200	U	1800	U
Almazabe 共康工業等工程等	7 FF 200	T.	200	Uiii	第二十字200	UŽ	為基370	bas	学过200	Ü	200	us.	1600	U.
Benzaldehyde	200	U	200	U	200	U	370	U	200	U	200	U	1800	U
Benzo(a)arithracene	200	U.	, 200		建		学 300		200	Ü	200	นไ	270	J.
Benzo(a)pyrene	200	υ	23	J	310	l	250	J	37	J	20	J	340	J
Henzo(b) fluorantifiene	200	堆售	126	3	₹ ₹250		230	J	29	J	19	J.,	2 290	
Benzo(g,h,i)perylene	200	U	200	Ū	69	J	74	J	60	J	24	J	170	J
Benzo(k)fluoranthene	200	U#=	200	U	88	j) 😌	* T 81	37	25	១៥:	1. And 112	J.	140	J.
Bis(2-Chloroethoxy)methane	200	R	200	υ	200	U	370	U	200	υ	200	Ų	1800	U
Bis(2-Chioroethyl)ether	200	1000年	200	U	200	שׁ עַּ	370	Ú	200	U	200	U.	- 1800	U
Bis(2-ethylhexyl)phthalate	200	UJ	200	υ	200		370		200	U	200	U	1800	U
Butylbenzylphthalate	200			Û⊇.		顶鬃			200	U	200	U	1800	U
Caprolactam	200	UJ	20	j	200		370	U	200	υ	200	U	1800	υ
Carbazole	寶寶 200	W	∜. å ∤ ≝20 0	บ =	200	υÿ	370	ט ו	7.7	J	200	ui-	1800	u.
Chrysene	200	U	22	J	460		400		200	U	11) Hamilian	480	J.
Dibenzo(a,h)anthracerie	200	_		U		有差	370	Ù.		U.		ui.	∜r ₹*1800	ur:
Dibenzofuran	200	UJ	200	U	200	P. 12 4	370		200	U	200		1800	
Diethylphthalate	200					U#		Ŭ:			200		1800	
Dimethylphthalate	200	-1 -10	200	U	200	,,	370	** .	200		200		1800	
Di-n-butylphthalate	200		200		46		370		200		200		1800	
Di-n-octylphthalate	200		200		30	· .	370 370		200	U.	200		1800	
		,				5.450							DECEMBER 1999	
Fluoranthene シャン・高層	200	,U	39	ม 🔻	650	1.50	540		8.9	J	200	w	130	l'a

TABLE 9 Ilada Waste Company Soil Analytical Results Semi-volatile Organic Compounds (ug/kg)

Stor

Sample Number:	E00R3		E00N7		E00N8		E00M7		E00Q3		E00Q2		E00Q5	
Sampling Location:	Background	1	X101A		X101B		X102	X102			X104		X105	
Matrix:	Soil		Soil		Soil	Soil		Soil			Soil		Soil	
Units:	ug/Kg ug/Kg ug/Kg ug/Kg				ug/Kg		ug/Kg		ug/Kg					
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Fluorene	200	UJ	200	U	400		370	υ	200	U	200	UJ	280	J
Hexachiorobenzerie	200	U ·	200	U	200	U.	370	Ugen	÷⇒ 200	U.	200	υ	1800	υ <u>έ</u>
Hexachlorobutadiene	200	υ	200	Ü	200	U	370	U	200	U	200	υ	1800	U
liexachiorocyclopenta fiene	3 = 2 200	Ur.	200	W.	200	U.	370	W.	≓∷ . 200	U	200	UH	1800	镰
Hexachloroethane	200	UJ	200	U	200	U	370	υ	200	υ	200	υ	1800	υ
Indeno(1,2,3-cd)pyrens	200	1	#200	บ	1 S 1 S	1	3-1-249	J	-, 200	141	81	1	清600	U
Isophorone	200	UJ	200	υ	200	υ	370	υ	200	U	200	υ	1800	υÜ
flaphthalene Facilities	200	U	200	U.S.	200	U	五十 370	UNE	ii. 200	U	200	U	1800	琿
Nitrobenzene	200	UJ	200	U	200	υ	370	υ	200	ΰ	200	Ū	1800	υ
N-Nitroso-di-n-propyla nine	200	UJ:	200	U.	200	U	第 370	U	200	Ü.	200	້ນ	1800	堰
N-Nitrosodiphenylamire	200	UJ	200	ΰ	200	U	370	U	200	υ	200	υÌ	1800	U
Fentachlorophenol	390	り締	390	UE.	390	以縫	夏3.730	UNE	390	地震	∄∄ 390	U	3600	н
Phenanthrene	200	υ	200	Ū	2300	n ear	2900		29	J	200	υ	620	J ,
Priend / COTF 建管温度	200	υž.	200	U':	200	U.	≟ /i 7370	Ú.	200	u	200	U.	#180 0	U (E)
Pyrene	200	U	45	J	900	margers	1100		27	J	8	J	770	J

Notes:	1	48	Indicates concentration meets criteria for observed release (3x background in most cases)
	2	J	Indicates concentration is estimated
	3	U	Indicates analyte undetected by lab equipment
	4	UJ	Indicates analyte undetected by lab equipment
	5	ME	Indicates result is from sample analyzed for medium-level contaminants
	6	R	Indicates data rejected and unusable for any purpose
	7	NA	Indicates analysis not run for compound
	Ω	Backgroun	and Soil concentration is highest of either Y120 or Y121

8 Background Soil concentration is highest of either X120 or X121

*ije#

4

Sample Number :	E00R3		E00P2		E00P4		E00Q6		E00P7		E00Q1			
Sampling Location:	Background	j	X106		X107		X108		X110		X111		X112	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Siemivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Fla
1,1'-Biphenyl	200	UJ	2100	U	930		210	U	1800	U	3500	J	NA	
1,2,4,5-Teltrachloroberizene	200	·U···	2100	U.	2300	US	210	บปุริ	±∴, 1800	U. T	20000	U. 🖦	ND POR	1
2,2'-Oxybis(1-chloropropane)	200	R	2100	U	2300		210	U	1800	U	20000		ND	
2,3,4,6 Tetrachlorophenol	200	u.	2100	U	12000	数。	21b	u.,	1800	U 🚁	20000	U.	ND IN	1
2,4,5-Trichlorophenol	200	υ	2100	U	4000]	210	U	1800	U	20000	U	ND	
2,4,6-Trichloropherio	* 单 200	U .,		U	2300	Ų.	210	14	1800	USF	20000	ui :	ND **	2
2,4-Dichlorophenol	200	υ	2100	υ	2300		210	U	1800	U	20000		ND	L
2.# Dimethylphenol	200	U	2100	Ū.	2300	U藝	210	UN	±9141800	U i	20000	U	ND .	135
2,4-Dinitrophenol	390	υ	4000	U	4400		420	U	3600	U	39000	U	ND	Ĺ
2.4 Dinitroloitiene	200	TITE	: ± 2100	U.	2300	UW	21b	THE P	\$\$ ***1800	U.	20000	U#	ND****	3
2,6-Dinitrotoluene	200	UJ	2100	υ	2300	U	210	U	1800	U	20000	U	ND	Ī
2-Chloronaphthalene	200	那靈	2100	U.	2300	U	210	U.	1800	U	20000	JAK.	ND (25
2-Chiorophenol	200	υ	2100	U	2300	υ	210	υ	1800	U	20000	υ	ND	
2 Methylnaphthalene	200	us	1800	J	7000	灩	210	鉪	多次 1100	J	16000	بيال	2700	表
2-Methylphenol	200	Ų	2100	U	2300	U	210	U	1800	U	20000	U	ND	1
2. Altroaniline	. 390	U	4000	ύ	4400	V翻	420	UM	₹÷ 3800	Ü`∳!	39000	J#	ND I	1
2-Nitrophenol	200	ŲJ	2100	υ	2300	U	210	U	1800	υ	20000	υ	ND	
\$,3-Dichlorobenzidine	200	UW.	2100	U.	÷€2300	UN	210	U.	+->+ 1800	00%	20000	μï	ND 🗆	ű.
3-Nitroaniline	390	U	4000	U	4400		420	U	3600	υ	39000	U	ND	
4.6 Dinitro 2 the trytoherol	390	U##	4000	U	等等4 0 0	US	+42D		3000	U	€:=39000	U	ND *	Ş,
4-Bromophenyl-phenylether	200	UJ	2100	U	2300		210	υ	1800	U	20000		ND	
4-Chicro-3-methylphenol	200) Si	2100	U	2300	Ú	200	谀	1800	U	20000	U	ND #	Ŧ,
4-Chloroaniline	200	U	2100	U	2300	U	210	υ	1800	U	20000	U	ND	١.
Chicrophenyl-phenylether	200	Ju.		U	1 2300	υĦ	210	U¥,	新科的	Trail	20000	u.	ND:	x ;
4-Methylphenol	200	U	2100	υ	990	J	210	U	1800	U	9900	J	ND	ı
I-Nitroanilne	390	U.	⁴⁰⁰⁰ ≠4000	U _E	4400	棚	Par (120	D	2600	u.,	39000	U)	ND -	鬱
4-Nitrophenol	390	U	4000	U	4400		420	U	3600	υ	39000	ΰ	ND	
(cenephthene	200	uş:	2100	U.	3 2300	U	210	U默.	1800 E	Dr.	4200	View	1700 🗀 🤅	Ħ
Acenar hthylene	200	U	2100	U	2300	U	210	U	1800	υ	2200	J	ND	1
ricetophenone	\$200	W.	2100	U B	2300	υ/¥	210	ប៊ុះ	0091800	112	20000	u##	ND∜	, ,
Anthracene	200	U	2100	U	2300	υ	210	U	1800	U	6800	J	ND	ľ
Atrazoa	200	Ü	柳澤約 00	u=	2300	.08	# 7 21o	li).	基本字180 0	Us	20000	UP.	NA) 🚙 🖟	ş.,
Benzaldehyde	200	U	2100	U	2300	2.41	210	U	1800	U U	20000	U	ND	ľ
Henzo(a)anthracene	200	ÜS/	- 2100	NI I	2300		# # 210	Use	23 24 800	U.		1	ND F	
Benzo(a)pyrene	200	U	2100	U U	600		110	.7256-0 .1	250);= (±4:) J	3800	्रा हुक्कार्थ जिल्ला	ND	11
tienzo(b)fluoranthene	200	U	2100	U.	2300	CONTRACTOR OF	1 1210	Unit	1800	Ut.	€√∵20000	u d	ND.	
Benzo(g,h,i)perylene	200	U	2100	i ≅aa a U	2300		210	U U	1800	E®#€∃	6400		ND	
Elenzo(k)fluorantilene	200	V 70.1" A		-	2300						20000	170	ND N	
Bis(2-Chloroethoxy)methane		P R	2100 عاد	U	2300		210	∩ ÷÷30	1800	U	20000		ND	
Bis(2-Chloroethyl)ether	200 - 200		2100 2100								20000 20000			vi.
Bis(2-ethylhexyl)phtha ate	200	UJ	2100	U	2300		210	U.	1800	U.	20000		ND	
Butybenzylphthalate		Ü,	2100 ≝ 2100			U.S.		16.	2936 /1800				ND.	:
Caprolactam	200	UJ	2100	U	2300		210	U	1800	U	20000		NA	ľ
The Control of the Co	200		290		270				330	_			ND	
・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・		ريية U						, 1	1800	PER SETE				1
Chrysene	200		2100	U	2300		130	الريخ الريخ <u>ة 3</u>			5100		2500	
Dibenzo(a,h)anthracene	200	1	100		2300	1	210			U	20000		ND	ŀ
Dibenzofuran	200	UJ	2100	U	2300		210 \$	U	1800	U Tables	20000		ND dip	
Diethylphthalate	200						210		**= \$1800		1		ND	
Dimethylphthalate	200	υJ	2100		2300		210	U	1800	U .	20000		ND -	ļ,
Di-n-butylphthalate	200		2100	*	2300	1	. 210		1800		20000		ND	1
Di-n-octylphthalate	200		2100	U	2300		210	U	1800		20000		ND	
Fluoranthene 📑 ் ் நிறி	200	U 🖘	2100	U	2300	U	210	ט בי	650	بنايل	18000	J.	ND	ľ

TABLE 9 - continued llada Waste Company Soil Analytical Results Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00P2		E00P4		E00Q6		E00P7		E00Q1			
Sampling Location:	Background	1	X106		X107		X108	X108			X111		X112	
Matnx :	Soil		Soil		Soil	Soil		Soil			Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Fla
Fluorene	200	UJ	490	J	1400	J	91	J	440	J	7900		ND	
Hexachlorobenzene	200	U`	2100	U	2300	U`.	ે કુ 🗯 🕸 210	ับ 🖑	1800	Ù,	20000	Ú.	RDPA产品	13
Hexachlorobutadiene	200	U	2100	_	2300	U	210	υ	1800	U	20000	U	ND	
l lexachlorocyclopenta tiene	200	W	21D0	U#	2300	ΰ	- 210	U-	1800	Ui.	20000	U	ND E	譹
Hexachloroethane	200	UJ	2100	U	2300	U	210	U	1800	υ	20000	υ	ND	
Indenoi 1.2,3 cd) pyren 1	200	山滨	2100	U	2300	υ	÷.⊰∻ 210	U.+	J.E.71800	Tel.	3300	J 5.	No. 252 25	鳊
Isophorone	200	UJ	2100	υ	2300	U	210	U	1800	Ų	20000	U	ND	
Naphthalene 1	200	U	480	J	是是2300	PERC	210	U)	块。此250	Jii	10000	JIM	NO NA	
Nitrobenzene	200	UJ	2100	U	2300	U	210	U	1800	U	20000	υ	ND	Ì
N-Nitroso-di-n-propyla nikid	200	JJ);	2100	US.	2300	U ×	210	矽鏈	1 2 800	U	20000	リスキ	ND \$4	1
N-Nitrosodiphenylamine	200	UJ	2100	U	2300	U	210	υ	1800	U	20000	U	ND	I
F'entachtorophenol	390	176	4000	U÷	2600	tori, Til	1420 山		3800	Up.	39000	v	种	棒
Phenanthrene	200	ΰ	1500	J	6200		290		1400	J	25000		2500	1
Fitienol And Annual Ann	200	U.	2100	U.	320	اً ل	*****210	Us.	_, _, 1800	Ŭ ÷	4000	Ja:	ND》·"弹粒	
Fyrene	200	Ų	2100	U	2300	U	230		4500		130000		2100	1

Not	es:	1	480	Indicates concentration meets criteria for observed release (3x background in most cases)
		2	J	Indicates concentration is estimated
		3	U	Indicates analyte undetected by lab equipment
		4	UJ	Indicates analyte undetected by lab equipment
		5	ME	Indicates result is from sample analyzed for medium-level contaminants
		6	R	Indicates data rejected and unusable for any purpose
		7	NA	Indicates analysis not run for compound
		8в	ackgroun	d Soil concentration is highest of either X120 or X121

Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00R4	E00R4 E		E00N9			E00P1		E00P5		
Sampling Location :	Background		X113		X116		X117		X118		X119B		
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil		
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	
1,1'-Bipheny	200	IJ	20000	U	210	U	210	IJ	2100	U	220	U	
1,2,4,5-Tetrachlorobenzene	200	и. 3		n ·	210	່ປີ:	210	U*=	2100	ŭ.	220	1600	
2,2'-Oxybis(1-chloropropane)	200	R	20000	U	210	U	210	U ",	2100	U	220	U	
2,3,4,6-Tetrichkrophenol		U - 3	20000	in the	800	J. ME		u.z	2100	U.S.		O B	
2,4,5-Trichlorophenol	200	U	20000	U	210	U	210	U	2100	U U	220	=7	
2.4.6 Trichlorophenol	200	U -1	20000		210	U-		北海	2100		220		
2.4-Dichlorophenol	200	U	20000	U	880	J. ME	210	¥÷غظ U	2100	. ~.	220	7.5	
2.4-Dinetry phenol	200		20000	UM:	210	U**	210	JI.	2100	ukari	220	uz.	
2,4-Dinitrophenol	390	U	38000	U	410	y o	410		4100	, eaγe	420	U U	
2,4-Dinitroto uene	200	UJ⊎≠	≥ 20000		210	Ū.	210	TO PO	removator em como	Det.	220		
2.6-Dinitrotoluene	200	OJ OSC	20000	U	210	U	210	U U	2100	U U	220	U	
2-Chloronap imalerie	4 4 4 5 5 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U.	20000		210 210	U .⁻	210	UN	2100		220	U	
2-Chlorophenol	200	H V er-9≅ U	20000	t v ≘.⊹	210	 U	210	U U	2100	i#a∵i U	220	Me∄a U	
2-Metrytrapithalene	200 200	OE E	20000		49	ე ქ}∂ქ		ŭ.	2800	3 40	220 11.220	A	
the second of the second of the second secon	delining, while	U.	20000	U	210	ا توانيو. ال	(학교(영 주당)) 210	i e es: U	2100	tatiiiki U	220	April 1997	
2-Methylphenol	200 390	ŭ.	38000		410			10	2100		420	I	
2-Nitrophenol	200	U.J	20000	U	210	U. U	210	公 海 U	2100	U	220	W.S.	
3,8'-Dichlorobenzidine	200	U·梅	20000 #= 20000	u i	210	U	210	TO W	7-17-2-100		220 220	U	
3-Nitroaniline	390	U	38000	U	410	U	410	U* .}	4100	U	420	U	
4.6 Differ 2 methylphenol		n#	38000	UE-	410 410	106	410	U.	1 1 2 100	_	#20 #20	1.7 .	
4-Bromophe nyl-phenylether	200	µMare. UJ	20000	U	210	U	210	UJ	2100	U	220	regin≘ U	
4-Chloro-3-methyphenel	200	iu.	20000		210 210	u.×		THE S	2100	40.000	220	9 (4.946)	
4-Chloroaniline	200	11	20000	LMSerii U	ದ್ದೆಗಳ ಕಾ ್.10 210	LMELL. U	210	U	2100	U	220	11 55:56	
4-Chloropheryj-bleen sether	200	Ų.	20000		210	u .	210	W.	2100		1 220	U de	
4-Methylphenol	200	U	20000	U	210	U	210	uz∽a: U	2100	U	220	>-11-60	
4 Nicombra 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	390		38000		410	ŭ.	410		AMERICAN APPLICATION AND A SALE		± 420		
4-Nitrophenol	390	U 原心理論:	38000	U	410	U	410	U.	4100	U U	420	U U	
Acenaphtherie	200	U-FR	20000	U.	210	ับ⁼ะ	210	1	2100	Û	220	0.萝	
Acenaphthylene	200	U U	20000	U	4300	J. ME	**************************************	U U	2100	U	220	225 212	
Acetophenorie	200	اللا	20000	U	210	U.S	2fo	_	2100		# # 22 0		
Anthracene	200	11 11	20000	EXEMA U	^{ಟ್ಟ್ ಇ} ಪ್ಪ ಕ್ಕ≀ರ 85	J J	210	(1 €)	2100	U	220	40.4 51	
Alrazire	200	LTM.	20000	UST	210	រារីជ័	210	unt.		-	1220		
Benzaldehyde	200	e M oneel U	20000	U	210	U	210	11	2100	U	220	11 mangangan	
Benzo(a)ant racere	200	115	1 24100			J. ME		u.	ment out of the sta	* 12 V	最争作 22 0	0/45	
Benzo(a)pyrene	200	原始館 名 U	7700	3 €000	39.00 2. 2	ME	29	Seine.	2100	e≊as⊺ U	32		
Benzo(b): Committee	200 200		基袋17000		10000		210	n¥	2100		52 1 2 1 50	Je Marie	
A 14.14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200	改善 U	6800	AND S	5500	J. ME	34	1	2100	U	24	MO PE	
Benzo(g,h,i)perylene	200	NA AM	5300 5200	435	3300 sás⊁⊲ 3000	J. ME	Lare to the second	U é		75.74	\$315 220	lar:	
Benzo(k)fluoranthene	About 1 W.	13 (1)	3 27 1	9,4-1	4		and the state of the	2 1 1	deffective for	,	mark . Marrie		
Bis(2-Chloroethoxy)methane Bis(2-Chloroethyt)ether	200	H P	20000		210		210	U :	2100 2100		220		
		1	20000	p.,		U U	210		• • • • • • •		11.7	_	
Bis(2-ethylhexyl)phthalate Birlylbenzylphthalate		UJ.			210 •≠ ₩∴210	_		ິ ເ ມ≇້	2100 2100	4	220 220	A 2 4 6 7 112	
Caprolactam	200 عبر دريي 200	UJ	20000	ľ	210	U	210		2100	1	220		
Carbazole		ِ ا ن	20000		7 8 0	A		₩.					
					7900	N. 7				1		•	
Chrysene	200	U.	13000	J Hit			210	U	2100		35 220		
Dibenzo(a,h)anthracene			20000	' '	210				2100				
Dibenzofuran	200		20000		57 210	J aasta	210		2100		220	~ ~	
Diethylphthalate		W.	20000					W	******2100		220	,	
Dimethylphthalate	200	UJ	20000		210	U	210	UJ *	2100	U	220	Ι.	
Di-n-butylphthalate		W	£ 20000			J, ME		W.	2100		220	1	
Di-n-octylphthalate	200		20000		210	UJ	210	UJ	2100			UJ	
Fluoranthene	200	U	9600	Je.	4200	J, ME	210	υ'	2100	U	32	J	

TABLE 9 - continued Ilada Waste Company Soil Analytical Results Semi-volatile Organic Compounds (ug/kg)

Mark!

Sample Number :	E00R3		E00R4		E00N9		E00P0		E00P1		E00P5	
Sampling Location:	Background	į	X113		X116		X117		X118		X119B	
Matrix :	Soil		Soil	Soil		Soil		Soil		Soil		
Units:	ug/Kg		ug/Kg	ug/Kg		ug/Kg		ug/Kg			ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Fluorene	200	UJ	20000	U	210	Ų	210	UJ	2100	U	220	U
Hexachlorob inzene	200	Ù.	20000	Ù.	210	U, s	⊋	U	2100	Ū	220 € 220	U:
Hexachlorobutadiene	200	U	20000	U	210		210	υ	2100	U	220	U
Hexachlorocyclopentadiene	200	ÜÜ.	20000	444	210	w	210	Util	2100 ± 1	U-#	i++ ∵22 0	W.
Hexachloroethane	200	ŲJ	20000	U	210	U	210	U	2100	U	220	U
Indeno(1,2,3-cd)pyrene	200	U,	5800	J.	4400	J. ME	净 (美210	Uhi	2100	Ü.	jo ₁ 220	UQ:
Isophorone	200	UJ	20000	υ	210	υ	210	υ	2100	U	220	υ
Naphthalene	*∵*∵ 200	U.,	20000	U	210	U.	≘• ∴ 210	D.S.	2100	Un	≟ 1-220	原學
Nitrobenzene	200	UJ	20000	υ	210	υ	210	U	2100	υ	220	U
N-Nitroso-di-n-propylamine	; <u> </u> -200	₩i≢	20000	Ű.	## · 210	UÉ	210	Ú.	2100	U	220	が続
N-Nitrosodip nenylamine	200	UJ	20000	U	210	υ	210	υ	2100	U	220	U
Pentachlorophenol	·················390	Ú	38000	Ü	410	U	410	U	4100	Ü	420	· Max
Phenanthrene	200	υ	5100	J	250	, , ,	210	υ	1500	j	22	J
Phenol	् ः 200	Ų.	20000	Ú≱∗	<u>. 210</u>	U,	210	U	2100	Ü.	220	U.
Pyrene	200	υ	31000		15000	ME	33	J	2100	υ	120	J

Notes:	1	48	Indicates concentration meets criteria for observed release (3x background in most cases)
	2	J	Indicates concentration is estimated
	3	U	Indicates analyte undetected by lab equipment
	4	UJ	Indicates analyte undetected by lab equipment
	5	ME	Indicates result is from sample analyzed for medium-level contaminants
	6	R	Indicates data rejected and unusable for any purpose
	7	NA	Indicates analysis not run for compound
	8 в	ackgrour	nd Soil concentration is highest of either X120 or X121

TABLE 9 - continued flada Waste Company Soil Analytical Results

Semi-volatile Organic Compounds (ug/kg)

	E00.00					
Sample Number :	E00R3		E00P6		E00R2	
Sampling Location :	Background	1	X119A		X121	
Matrix:	Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag
1,1'-Biphenyl	200	UJ	200	U .	200	U
1,2,4,5-Tetrachlorobenzene	200	U.	200	Uş	200	U.
2,2'-Oxybis(1-chloropropane)	200	R	200	U	200	υ
2,3,4,6-Tetrachiorophenol	\$00	Ü	200	Uşe	200	U
2,4,5-Trichlorophenol	200	υ	200	U	200	U
2,4,6-Trichloropheniol	200	U÷.	200	υĘ	200	U .#
2,4-Dichlorophenol	200	U	200	υ	200	υ
2,4-Dimethylphenol	200	10	200	U 👯		Ū₩i
2,4-Dinitrophenol	390	U	400	υ	380	U
2,4 Dinitrotoluene	200	U	∤a. ≟ 200	Ù	200	ប
2,6-Dinitrotoluene	200	UJ	200	υ	200	U
2-Chloronaphthalene	200	ט	200	Ŭ [©] ;≉	200	U
2-Chlorophenol	200	υ	200	U	200	U
2-Methylnaphthalene	20 0	Û^.	200	U j	200	U
2-Methylphenol	200	U	200	U	200	υ
2-Nitroaniine	4 7 800	Ú.	400	Ú	380	U
2-Nitrophenol	200	UJ	200	υ	200	Ų
3,3'-Dichloroberizidine	200	Ù ·	200	U	200	UM
3-Nitroaniline	390	υ	400	υ	380	U
4,6-Dinitro-2-methylphenol	390	U	400	Ü:*	380	ับ'ุร
4-Bromophenyl-phenylether	200	UJ	200	υ	200	υ
4-Chloro-3-methylphenol	200		200	U##	÷+ / 200	บั
4-Chloroaniline	200	υ	200	U	200	U
4-Chloropherryl-pherrylether	200	ບໍ່ປ	200	以量	E 200	Us À
4-Methylphenol	200	υ	200	U	200	U
4-Nitroansine	#= # 990	UF.	# LA00	u.	380	Û_1
4-Nitrophenol	390	U	400	υ	380	U
Acenaphthene	200	U	19∦±± 20 0	U ->	∔ 200 0	Ù.
Acenaphthylene	200	U	200	υ	200	U
Acetophenone	200	Ű.	200	U-y	· 24-200	υĊ
Anthracene	200	Ų	200	U	200	Ü
Atrazine	27 (200	0	9 200	UP.	200	Ú\$
Benzaldehyde	200	U	200	U	200	υ
Benzo(a)enthracene	200	v.	注:29	V.	200	U _{abl}
Benzo(a)pyrene	200	U	61	J	200	U
Benzo(b)fluoranthene	200	U.	+ 62	13.	200	ប
Benzo(g,h,i)perylene	200	U	46	J	200	υ
Benzo(k)fluoranthene	200	Ù.	. 22	J 🌲	- j_ 200	Uέ
Bis(2-Chloroethoxy)methane	200	R	200	U	200	i '
Bis(2-Chlordethyl)ether		R A	200	Ŭ i.≢		u.
Bis(2-ethylhexyl)phthalate	200	UJ	200	U	200	i .
Butylbenzylphthalate	200	ÜΪ-	≥20 0	Ù#≥t	200	U
Caprolactam	200	UJ	200	υ	200	U
Carbazole	200	UJ.	≱. ≱. 20 0	Us(÷	≓∮∄200	ช
Chrysene	200	U	29	J	200	υ
Dibenzo(a,h)arithirasane	200	υĢ	200	U.	200	b-Z
Dibenzofuran	200		200	U	200	
Diethylphthalate	a Table Annual Street	UJ .	200		∳ ∜ -⊊200	
Dimethylphthalate	200		200	U U	200	U
Di-n-butylphthalate	200	υĴ	200	U	200	U -
Di-n-octylphthalate	200		200	U	200	ŀ
Fluoranthene	200		26	3 7-2	200	
				PT		ı -



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TABLE 9 - continued Ilada Waste Company Soil Analytical Results Semi-volatile Organic Compounds (ug/kg)

Sample Number :	E00R3		E00P6		E00R2	
Sampling Location :	Background	i	X119A		X121	
Matrix :	Soil		Soil		Soil	
Units:	ug/Kg		ug/Kg		ug/Kg	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag
Fluorene	200	UJ	200	U	200	C
Hexachlorobenzene	200	U	200	U '	200	U.
Hexachlorobutadiene	200	U	200	υ	200	U
Hexachlorocyclopentadiene	20 0	เม	200	ָּט יַ	200	W
Hexachloroethane	200	UJ	200	-	200	U
Indeno(1,2,3-cd)pyrène	#7.7 ₩ 20 0	U	7-37	J.	200	Ų.
Isophorone	200	UJ	200	U	200	U
Naphthalare :	200	UE	200	ÛŢ	, - : - 200	UΞ
Nitrobenzene	200	UJ	200	υ	200	U
N-Nitroso-di-n-propylamine	==± =20 0	Wit	*# ***200	UM:	200	Û=∉±
N-Nitrosodiphenylamine	200	UJ	200	υ	200	U
Pentachiorophenol -	* * 390	1	1477 X400	$y_{\mathcal{L}}$	· 380	"י"ט
Phenanthrene	200	υ	200	υ	200	υ
Priend	200	u 🧨		שליי	200	U
Pyrene	200	٥	68	J	200	υ

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Migal.

:	۱L	480	Indicates concentration meets criteria for observed release (3x background in most cases)
:	2	J	Indicates concentration is estimated
:	3	U	Indicates analyte undetected by lab equipment
	4	UJ	Indicates analyte undetected by lab equipment
	5	ME	Indicates result is from sample analyzed for medium-level contaminants
(6	R	Indicates data rejected and unusable for any purpose
	7	NA	Indicates analysis not run for compound

8 Background Soil concentration is highest of either X120 or X121

Table 10
Ilada Waste Company
Soil Analytical Results
Pesticide Compounds in ug/Kg

Sample Number:	E00R3		E00N7R	×.	E00N8		E00M7		E00Q3R		E00Q2R	E	E00Q5		E00P2		E00P4		E00Q6RI		E00P7	
Sampling Location	Backgrou	nd	X101A		X101B		X102		X103		X104		X105		X106		X107		X108		X110	
Matrix :	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	l
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Fiag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flaçı
4,4'-DDD	3.9	Uι	3.9	UJ	3.9	UJ, F	7.3	UJ	39	UJ	39	UJ	36	UJ	40	UJ, R	590	J	42	UJ	3.6	R
4,4'-DDE	3.9	UJ/	3.9	UJ.		J	7.3	w	39	UJ :	39	UJ.	36 e	W.	43	j.	66	J.	4.2	UJ	3.6	R
4,4'-DDT	0 54	J	3.9	UJ	10	J	7.3	UJ	39	UJ	26	-	28	J	300	J	71	J	42	UJ	3.6	R
Aldrin 100 pg	. 2	้นม	9.2	UJ#	∄	W.B	3.7	ua:	# J 7 20	W.	20	uu*	使点压力8	u.	32	u 🦂	1561110	i l 3	⊘ ∰ 2.1	UJ: p	1.8	R 🕾
alpha-BHC	2	UJ	2	UJ	2	UJ, R	3.7	UJ	20	IJ	20	UJ	18	ບມື	21	UJ, F	17	J	21	UJ	1.8	R
alpha-Chlordane	2	UJ	13. 14.2	ŲÜ	44792	ω, R	3.7	u -	- 20	UJ	1.1. 20	UJ ~	2 € 18	W.	期性(社2.7	0	69	d	2.1	UJ :	1.8	R.
beta-BHC	2	UJ	2	UJ	2	UJ, R	3.7	UJ	20	ÜĴ	20	UJ	18	UJ	4.6		36	J	2 1	UJ	1.8	B
delta-BHC	2	ໝ	116 P	ůi ·	2	W, A	6.19 43.7	W +	17 # 20	W.	20	UJ.	18:	W	P. 1211	S	180	الله الله	2.1	UJ	1.8	R
Dieldrin	.3 9	IJ	3.9	UJ	3.5	J	7.3	UJ	39	Charles for him	39	UJ	7.4	J	40	UJ, F	420	J	9.1	J	3.6	R
Endosulfan I	2	UJ	2	ປປ	0.94	1645	* 3.7	UJ.		o.	20	ับไ	115018	W.	18	U	23	W, R)	3.8	Į.	1.8	R
Endosulfan II	:3 9	UJ	3.9	UJ	3.9	UJ, R	7.3	UJ	39	UJ	39	UJ	36	UJ	6.4	J	520	J	14	J .	3.6	R
Endosulfan sulfate	39	IJ, R	3.9	W.	w.21		7.3	Up/	4 439	W	## 39	w		R	7:9	Us co	·	J	ŝ0 a ∈ 1.4	J.	3.6	R
Endrin	3 9	UJ	2	J	7.3	J	2.1	J	15	J	36	j	36	J	110	J	600	J	15	j.	1.2	J
Endrin aldehyde	- 3.9	W	3.9	W	5.7	Jo.	73	ÚĴ.	39	យា	12	Julia.	16	din	290	J	540	J ·	. : 11	J.	3.6	R 🧀
Endrin ketone	39	UJ	3.9	UJ	3.9	UJ, F	7.3	UJ	8.8	J	39	UJ	36	UJ	40	UJ, R	180	J	0.99	Ĵ	1.2	J
gamma-BHC (Lindane)	2	UJ, A	h- 13-12	UJ	§ '4 2	W,A	## # 111	∑ پدل	P = 4 = 20	เม	20	uj#	18	R ⊝	444.2	J oo	# 36	d and i	0.58	h .	1.8	R 🗀
gamma-Chlordane	2	υJ	2	UJ	2	UJ, F	3.7	UJ	20	UJ	20	UJ	18	UJ	19	J	780	J	0.98	ر; ا	1.8	R
Heptachlor	2	Ų	0.46	J		U.F	3.7	w	20	W.	20	UJ 🖫	.⊤ 18	UJ	9.4	J	28	J. Oak	0.65)	1.8	R
Heptachlor epoxide	2	UJ	2	UJ	0.77	J	3.7	UJ	20	UJ	10	J	18		26		4	J	4.1	J	0.43	
Methoxychlor	0.91	J	20	UJ	20	W, A	37	W	200	UJ.	200	ບັນ -	180	່ເພ	210	UJ, F	550		21	JJ	18	3
Toxaphene	200	UJ	200	UJ	1 1 to 4 8 20 6 to	UJ, F	370	gar er tragt a mit	2000	UJ	2000	4490 000	1800		2100			UJ, RX	210	IJJ	180	R

Notes: 1 10 Indicates concentration meets criteria for observed release (3x background in most cases)

- 2 J Indicates concentration is estimated
- 3 U Indicates analyte undetected by lab equipment
- 4 UJ Indicates analyte undetected by lab equipment
- 5 RX Indicates result is from sample re-extracted and analyzed
- 6 R Indicates data rejected and unusable for any purpose
- 7 NA Indicates analysis not run for compound
- 8 Background Soil concentration is highest of either X120 or X121

Table 10 - continued Ilada Waste Company Soil Analytical Results Pesticide Compounds in ug/Kg

Sample Number :	E00R3	•	E00Q1			·	E00R4R	Ē	E00N9		E00P0		E00P1RX	(E00P6RE		E00P5		E00R2	
Sampling Location	Backgrou	ınd	X111		X112	l	X113		X116		X117		X118		X119A		X119B		X121	
Matrix :	Spil		Soil				Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg				ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag		Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
4,4'-DDD	3.9	UL	62	J	ND		28		2.1	J	4.1	•	4.1		2	R	2.2			ÜJ
4,4'-DDE	3.9	Ŵ.	76	J	ND		130	g, T	7.4	J.	1,5	J	41	UJ.		H.	12	J.	3.8	w
4,4'-DDT	0 54	J	2000	J	ND	, (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3600	J	41	J, RX	44	J, RX	4.1	UJ	2	R	5.6	J	3.8	ับม
Aldrin	2	W	34	J. FIE	ND		20	w	* 2,1	R.	2.1	8	1 2.1	w.		J	4.6	J, RX	2	w
alpha-BHC	ື 2	UL	19.7		ND	l mario	20	UJ	2.1	UJ, F	2.1	R	2.1	UJ	2	R	2.2	UJ, R	2	UJ
alpha Chlordane	6 1, 2	UJ	23	ing stone). Internalier	ND ***	關	110	J : "	7 0 W 4 1 2	J anton	10 m 21	UJ. A	4: 14-21	W.	4. 電腦	H.	越漸號 4	J	2	u.
beta-BHC	2	Uυ	29	J, RE			12	7	0.6	J	2.1	R	2.1	IJ	1	J	1.5	J, RX	2	UJ
delta-BHC	2	س	19.7	UJ *	ND 🎉	6	20	iu.	11 110 58		##MA		(1,12,1	ш.,		R. #	2.2	W, F	2	w
Dieldrin	3.9	UJ	17		ND	S-Service equit 12 to	43	J	15	J	18	. ,,,,		IJ	4	R	7.1	J, RX	3.8	UJ
Endosulfan I	2	UJ	50	J.	ND	jaa	20		2.8	J, RE	F . 18	U, RE	1 23	UJ.	114112	J	3.2	J	2	w
Endosulfan II	3.9	Uυ	170		ND	A II MILITA	230	J	2.7	J	1.9	J, RX	4.1	UJ	19	J	2.1	J	3.8	ับป
Endosulfan sulfate	3.9	WJ. F	22	J, RE	D		9,4	Ĵ	1.44	R.	4.1	υJ, F	41	W.:	77 W 1813	J	******* I.B	J, RX	3.8	R
Endrin	3.9	UJ	5300	J	ND		4700	Ĵ	59	J, RX	54	J, RX	0.23	J, RE	4	J	25	J	1.3	J
Endrin aldehyde.	3.9	.UJ	2000	935	יַּבּוּ בוּא	1 × - 3	1008年	J ,	這時期27	IL BX	:27	J, RX	4. A.1	ພ.	唯二世紀中	P	18	J	3.8	w
Endrin ketone	39	UJ	39	UJ	ND		37.9	UJ	16		6.3	J, RX	4.1	UJ	7.6	J	2.2	UJ, F	3.8	UJ
gamma-BHC (Lindane)	2	W, A	6.3	J	ND 132		815				* * 21	A.	2.1	w	120	A .	the state of	J. RX	∵ 2	R
gamma-Chlordane	2	ÚJ	19.7	UJ	ND		8.7	J	1.3	J	0.26	J, RE	2.1	IJ	4	R	1.2	J, RX	2	UJ
Heptachlor	4.42	w	1 july 39	J 🎜	NO #		. 44 20	.0,75			21	H.	121	W	41-3-74	3.44	08	J	2	w
Heptachlor epoxide	2	ÚJ	720				810		1.8	J	0.74	J, RX	2.1	ŲJ	0.65	J	1.8	J	2	็บป
Methoxychior	0.91	J.	260	الطيلة ال	ND III		4 190	$\mathbf{j}_{\mathbf{x}}$	企业。2018年	j	21	Ш, Я		W:		4	22	UJ, A	20	w
Toxaphene	200	UJ	2000		ND	al wer i.e.	2000	UJ	210	UJ, R	210	UJ, R	210	UJ	200	R	220	UJ, F	200	UJ

Notes: 1 10 Indicates concentration meets criteria for observed release (3x background in most cases)

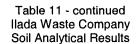
- 2 J Indicates concentration is estimated
- U Indicates analyte undetected by lab equipment
- 4 UJ Indicates analyte undetected by lab equipment
- 5 RX Indicates result is from sample re-extracted and analyzed
- 6 R Indicates data rejected and unusable for any purpose
- 7 NA Indicates analysis not run for compound
- 8 Background Soil concentration is highest of either X120 or X121

Table 11 Ilada Waste Company Soil Analytical Results Polychlorinated Biphenyl Compounds in ug/Kg

Sample Number :	E:00R3		E00N7		E00N8		E00M	7	E00Q3		E00Q2		E00Q5		E00P2		E00P4		E00Q6	
Sampling Location:	Backgrour	nd	X101A		X101B		X102		X103		X104		X105		X106		X107		X108	
Matrix:	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ιg/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Resu	ılt Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	39	Ū	3	9 Ü	39	U		73 U	39	Ų	39	Ū	36	U	40	U	220	U	42	2 U
Aroclor-1221	39	U	8	9 U	39	U *5.	∭a -	73 U	39	U.	∵ ∵"39	U	36	U.	40	U	220	บ	42	<u>u</u>
Aroclor-1232	39	U	3	9 U		U		73 U	39	ΰ	39	Ü	36	U	40	U	220	U	42	2 U
Aroclor-1242	39	u	otalie 3	9 U 🧗	39	Male	Big.	73 U	∖ 🗫 39	U-	. 39	Ut.	36	Ualt	40	Ú	44 - 220	ប 🖟	42	U ni.
Aroclor-1248	39	U	3	9 U	39	U	[· ·	73 U	55	RX	320		510		40		220	U		u`
Aroclor-1254	39	U		9 U 🔠	39	U ;	180 d j	73 U 🛴	`#⁺ ∗3 9	U	; ::39	\mathbf{U}_{i+1}	36	U.	40	Ŭ,	_iii.: 220	u	42	u ·
Aroclor-1260	46		1	0 J	120			73 U	39	RX	250	J	1900	RXDL	10000	DL	45000	DL	130	RX
Aroclor-1262	39	U	3	9 U	39	U		73 U	39	บ .	39	U.	36	U+	40	Ü	220	u	42	u
Aroclor-1268	39	U	3	9 Ü	39	U	·	73 U	39	υ	39	U	36	U	40	Ų	220	υÌ	42	Ų _

Notes:	1 120	Indicates concentration meets criteria for observed release (3x background in most cases)
	2 J	Indicates concentration is estimated
	3 U	Indicates analyte undetected by lab equipment
	4 RX	Indicates result is from sample re-extracted and analyzed
	5 R	Indicates data rejected and unusable for any purpose
	6 DL	Diluted
	7 J3	The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.

8 Background Soil concentration is highest of either X120 or X121



Polychlorinated Biphenyl Compounds in ug/Kg

Sample Number :	EOOF	₹3		E00F	7						E00R4R	KDL	E00N9		E00P0		E00P1		E00P5		E:00P6		E00R2R	X
Sampling Location:	X120)		X110)		X111		X112		X113		X116		X117		X118		X119B		X113A		X121	
Matrix :	Soil			Soil			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Sol	
Units:	ug/K	g		ug/K	g		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/K.g		ug/Kg	
ANALYTE	Res	ult	Flag	Res	ult	Flag			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016		39	U		110			2.6 U	16	_	5700	_	41	U	41	U	41	U	42	U	40	U	38	3 U
Aroclor-1221	e Spirit	39	U-		36	U	40 (b)	3.2 U	20	U	5700			U	41	U.	41	U-P	£ + 42	,U	, 40	Ų	38	U
Aroclor-1232		39	U]	36	U	[.	2.3 U	14		5700	U	41	U	41	U	41	U	42	U	40	U	38	вυ
Aroclor-1242		39	U	P 32	36	U.	70.0	2,2 U	14	U 1	5700	U 1	HA 2 41	U	41	U.	11.41	U	42	$\mathbf{u}_{z \mapsto z}$	40	U.	38	вυ
Aroclor-1248		39	U		36	U	[]	3.1 U	19	υ΄	12000	J	41	U	41	U	41	U	42	Ų	40	U	38	ΒU
Aroclor-1254		39	U	1 (5)	36	U .		2.6 U	. 16	U	5700	Ü	41	U	41	U	41	บ	42	U	40	U	38	ΒU
Aroclor-1260		39	U		350	Ī		00 J3	9.5	υ	75000	1 -	690	DL	130		41	U	42	U	500		46	3
Aroclor-1262	1-3	39	U	e vijet.	36	U.	.s. 12	00 U	NA.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5700	U I	4)	U	#\$r 41	U ***	41	U	42	' U' -	40	U	38	ВU
Aroclor-1268	I	39	U	Ī	36	Ü	12	00 U	NA		5700	Ü	41	υ	41	U	41	U	42	U	40	U	38	вυ

Notes:	1 [120	indicates concentration meets criteria for observed release (3x background in most cases)
--------	-----	-----	---

2 J Indicates concentration is estimated

3 U Indicates analyte undetected by lab equipment

4 RX Indicates result is from sample re-extracted and analyzed

5 R Indicates data rejected and unusable for any purpose

6 DL Diluted

7 J3 The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.

8 Background Soil concentration is highest of either X120 or X121

Appendix A Target Compound List

HOM

TARGET COMPOUND LIST

Volatile Target Compounds

Oblana	4.0 Dishlamanana
Chloromethane	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Vinyl Chlorde	Trichloroethene
Chloroethane	Dibromochloromethane
Methylene Chloride	1,1,2-Trichloroethane
Acetone	Benzene
Carbon Disulfide	trans-1,3-Dichloropropene
1,1-Dichloroethene	Bromoform
1,1-Dichloroethane	4-Methyl-2-pentanone
1,2-Dichloroehtene (total)	2-Hexanone
Chloroform	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
2-Butanone	Toluene
1, ¹ ,1-Trichloroethane	Chlorobenzene
Carbon Tetrachloride	Ethylbenzene
Vinyl Acetate	Styrene
Bromodichloromethane	Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane	2,4-Dinitrotoluene
bis(2-Chloroethyl) Ether	Diethylphthalate
Benzyl Alcohol	N-Nitrosodiphenylamine
bis (2-Chloroisopropyl) Ether	Hexachlorobenzene
N-Nitroso-Di-n-Propylamine	Phenanthrene
Nitrobenzene	4-Bromophenyl-phenylether
Hexachlorobutadiene	Anthracene
2-Methylnaphthalene	Di-n-Butylphthalate

1,2.4-Trichlorobenzene	Fluoranthene
Isciphorone	Pyrene
Naphthalene	Butylbenzylphthalate
4-Chloroaniline	bis(2-Ethylhexyl)Phthalate
bis(2-chloroethoxy)Methane	Chrysene
Hexachlorocyclopentadiene	Benzo(a)Anthracene
2-Chloronaphthalene	3-3'-Dichlorobenzidene
2-Nitroaniline	Di-n-Octyl Phthalate
Acenaphthylene	Benzo(b)Fluoranthene
3-Nitroaniline	Benzo(k)Fluoranthene
Acenaphthene	Benzo(a)Pyrene
Dibenzofuran	Ideno(1,2,3-cd)Pyrene
Dirnethyl Phthalate	Dibenz(a,h)Anthracene
2,6-Dinitrotoluene	Benzo(g,h,i)Perylene
Fluorene	1,2-Dichlorobenzene
4-Nitroaniline	1,3-Dichlorobenzene
4-Chlorophenyl-phenylether	1,4-Dichlorobenzene

Acid Target Compounds

MAIF

Benzoic Acid	2,4,6-Trichlorophenol
Phenol	2,4,5-Trichlorophenol
2-Chlorophenol	4-Chloro-3-methylphenol
2-Nitrophenol	2,4-Dinitrophenol
2-Methylphenol	2-Methyl-4,6-dinitrophenol
2,4-Dimethylphenol	Pentachlorophenol
4-Ivlethylphenol	4-Nitrophenol
2,4-Dichlorophenol	

Pesticide/PCB Target Compounds

alpha-BHC	Endrin Ketone
beta-BHC	Endosulfan Sulfate
de ta-BHC	Methoxychlor
gamma-BHC (Lindane)	alpha-Chlordane
Heptachlor	gamma-Chlordane
Aldrin	Toxaphene
Heptachlor epoxide	Aroclor-1016
Endosulfan I	Aroclor-1221
4,4'-DDE	Aroclor-1232
Dieldrin	Aroclor-1242
Endrin	Aroclor-1248
4,4'-DDD	Aroclor-1254
Endosulfan II	Aroclor-1260
4,4'-DDT	

Inorganic Target Compounds

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium
Ccbolt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	

Appendix B Geoprobe Boring Logs

Tallso'

Coo pme	rdin nt U	ne: Ilada Waste Company nates: Northing Eastin sed: Geoprobe 5400/Macro-Core Sampler/D scription: Just north of Imbs Station Road, w	iscrete	Sam	npler			Date Surfa	: Sta	rt <u>08</u> levat	
											ames M. Salch
ogy		Description	(ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	e Recovery		/A dings	Remarks
Lithology	nscs		Depth (ft)	Samp	Sampl	Sampl	Samp	Sample	PID	FID	
		CLAYEY SILT: Light gray to brown clayey silt, moist. (0-1.6')	0			1			2.6	1.2	6" Background 2.2 / 0.9
H H	ML		_ _1 _				O)		28	1.1	1'
		SILTY CLAY: Gray silty clay, moist, fuel odor. (1.6'-3.6')	-2	***	X-101A	-0-4-	Macro-Core	3.0 Feet	2.6	8	2' X-101A 2'-2.5' 08:00
	CL	Mixture of above clay and gravel, possibly fill, fuel odor, moist to wet at 4'. (3.6'-5.3')	-3	0000			_		2.1	24	3'
			-4		X-101B	1			12	150+	3.6' X-101B 3.5'-4.5' 08: 4.2'
			-5						5	35	5'
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	O.	SILTY CLAY: Mixture of gravel and gray-brown silty clay, stiff, dry. (5.3'-6.3')	6			-4-8-	Macro-Core	4.0 Feet	4	11	6'
	CL	No gravel (6.3'-7.6')	- 7			7	Σ				
	GM	GRAVEL: Light tan gravel/rock. (7.6'-8') SILT: Light brown silt, hard, dry. (8'-9.7')	-8			<u>\</u>					
	ML	Limestone at 9.7'	- - -9			- 8 - 9.7 -	Macro-Core	>2 Feet	3	80	8.3' Slight Odor
			10			\downarrow	2		2	7	9.5' Refusal @ 9.7 Feet
			- - - 11								Photos: #1-SW / #2-S

File	e N	am	e: Ilada Waste Company						Bori	ng / V	Well N	lo.: X-102
Co	or	din	ates: Northing Eastin	ıg				_	Date	: Sta	art <u>07</u>	/31/06 Finish 07/31/0
			sed: Geoprobe 5400/Macro-Core Sampler/Di									
atio	n I	Des	cription: Just north of Imbs Station Road, we	est of g	grave	el set u	p are					pth: 7.8 Feet (Refusal) ames M. Salch
T	1						_			Jeu L	y	arrico W. Galori
					pth	mber	nterva	be	Recovery		/A dings	
700	680	0	Description	(ft)	Sample Depth	le Nu	ling Ir	le Ty	le Re	Nea	uirigs	Remarks
Lithology		nscs		Depth (ft)	Samp	Sample Number	Sampling Interval	Sample Type	Sample	PID	FID	
				0								
=======================================			SILT: Light tan silt, moist. (0-1.8')	-					7	3	1.4	6" Background 1.6 / 0.8
		ML		1								
				-								
				-			4	Core	Feet			
] :] :	1111		SILTY CLAY: Mottled gray/rusty orange silty clay, oxidation staining, moist. (1.8'-7.2')	-2			-0-	Macro-Core	3.4 F	2	1.5	2'
1:1:1	11/11			-				Σ				
	17/1/			_3						1.5	30	3'
	11/1			-						2.9	150+	3.6' Hydrocarbon Odor
	11/11			-4			<u>\</u>					
	11/11	CL	Gray						-			
	11/1/			-5						4.5	150+	5'
	11/1			-	xxxx			ē				
	1111			_ _6		X-102	- 7.8	Macro-Core	3.4 Feet	21	250+	6' X-102 5.5'-6.5' 15:45
	1111			-			4	Mac	3.4			7 7 10 <u>2</u> 010 010 10.110
	11/1/1			-								
1111	11/1	-	SILTY CLAY: Gray/brown silty clay with rock, moist to	_7 _								
11:1		CL	wet at bottom. (7.2'-7.8')				\downarrow					Defined @ 7.0
^	^ E	3R		-8 -								Refusal @ 7.8'
				-9								

10									Bori	ng / \	Vell N	lo.: X-103
			ates: Northing Easti									8/02/06 Finish <u>08/02/0</u>
			sed: Geoprobe 5400/Macro-Core Sampler/D					-				ion:
	ion ion.		cription: North of Imbs Station Rd., near old	shed.	Wes	stern n	nost					epth: 4.0 Feet ames M. Salch
Cal	.1011.									Jeu B	y	diffes W. Galeri
()	gy		Description	(ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	e Recovery		/A dings	Remarks
	Lithology	nscs		Depth (ft)	Sampl	Sampl	Sampl	Sampl	Sample	PID	FID	
-	(i)(i)(i)		SILTY CLAY: Brown & gray silty clay, stiff, dry. (0-2.1')	o		X-103	\uparrow			1	3	4" Background 0 / 1.43
		CL		-1						1	3	1' X-103 0-1' 09:25
-			GRAVEL AND SAND: Loose sand & gravel, wet at	-2			- 0 - 4	Macro-Core	3.0 Feet	2	21	2' No odors noted.
		GM	bottom of core (perched water), fill. (2.1'-4')	-3				M		1	9	3'
										1	9	3.6'
	0 -			4								TOB - 4 Feet
				_ _5								
-				- -6								
-												
-				-8								
				-								

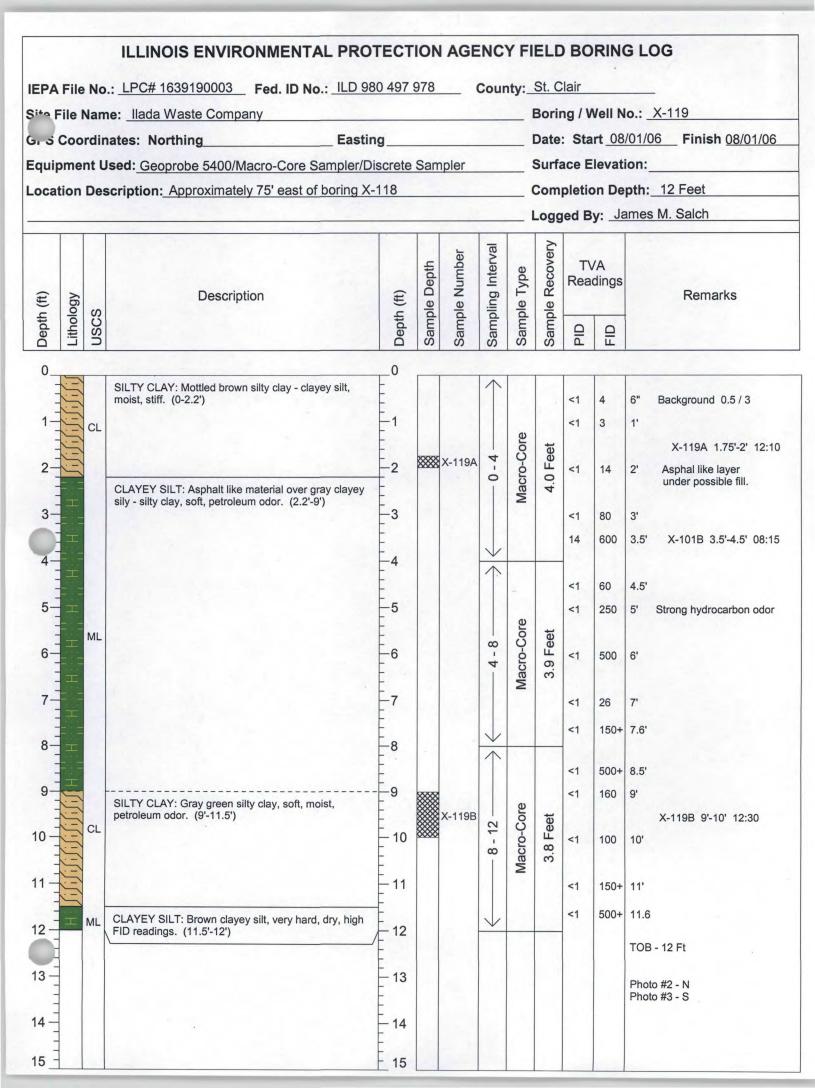
1			e: Ilada Waste Company									lo.: X-105	
			ates: Northing Eastin										
			sed: Geoprobe 5400/Macro-Core Sampler/Di									ion:	
			scription: North of Imbs Station Rd., in drive rate location.									pth: 4.0 Feet	
						_	Logged By: James M. Salch						
	_ithology JSCS		Description	(ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	e Recovery		/A dings	Remarks	
	Litholc	nscs		Depth (ft)	Sampl	Sampl	Sampl	Sampl	Sample	PID	FID		
				_0	00000								
-		AS	ASPHALT: Gravel & Asphalt Surface with asphalt like material beneath, sticky, strange odor. (0-1.1')			X-105				1	70	6" Background 0.22 / 1.6	
	Jejej	CL	SILTY CLAY: Gray-brown silty clay, hard, dry. (1.1'-1.6')	_1	****			ø		1	42	1' X-105 0-1' 10:00	
-	H ====================================		CLAYEY SILT: Dark gray clayey sily, soft, moist, mild strange odor. (1.6'-4')	-2			-0-4-	Macro-Core	4.0 Feet	1	16	2' Strange odor to asphalt material.	
-		ML		-3						1	47	3'	
-	I I I			4			<u></u>			4	80	3.6'	
				-								TOB - 4 Feet	
				-5 - - -									
				_6 _									
				_ _7 _			10			-			
				- - -8									
4													
				-9									

			.: LPC# 1639190003 Fed. ID No.: ILD 98 ie: Ilada Waste Company								Vell N	lo.: X-108
Ю.									Date	: Sta	rt <u>08</u>	8/02/06 Finish 08/02/06
uip	me	nt U	sed: Geoprobe 5400/Macro-Core Sampler/D	iscrete	San	pler			Surfa	ace E	levat	ion:
cat	ion	Des	scription: Near oil pool and injection well.				1	_ (Com	pletic	on De	epth: 9.7 Feet (Refusal)
_								1	Logg	ed B	y: <u>J</u> a	ames M. Salch
()	ogy	0	Description	ı (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	le Recovery		/A dings	Remarks
(a) and a	Lithology	nscs		Depth (ft)	Samp	Samp	Samp	Samp	Sample	PID	FID	
	_			0	-	0,	0,	-	0,	_		
-		CL	SILTY CLAY: Brown silty clay, oxidation staining, possibly fill. (0-1.5')	E			1			>1	2.2	6" Background 0.53 / 2.1
-	Jifij			-1				Ф		>1	2.3	1'
11111	H = H = =		CLAYEY SILT: Tan & gray clayey silt with black staining, moist, petroleum odor. (1.5'-6') 2.1' - 2.5' Yellow sandy material, possible old brick.	-2		X-108	-0-4-	Macro-Core	3.7 Feet	<1	12	2' X-108 1.5'-2.0' 11:30
	H			-3						<1	10	3' Petroleum Odor
-		ML		-						<1 <1	120 120	3.6' X-101B 3.5'-4.5' 08:
1111	H H		SAA - Top of core wet, possibly sluff.	-4			\wedge			<1	15	4.2' Petroleum Odor
	 			-5				0		<1	120	5'
			SILTY CLAY: Mixture of gray and greenish silty clay and gravel, very hard. (6'-8')	6			4-8-	Macro-Core	4.0 Feet	<1	150+	6' Some perched water, bu not enough to sample.
		CL		-7						<1	10	7' No odor
-				-8			\			<1	13	7.6'
-	0000		SILTY CLAY: Light brown silty clay, dry, very hard. (8'-9.7')				1	Sore	et	<1	2.2	8.5'
	000 000 000 000	CL	Olive green with depth.	-9			←8-9.7	Macro-Core	>2 Feet	<1	9	9'
)	^^	BR		- 10								Refusal @ 9.7 Ft
-				_ 11								-

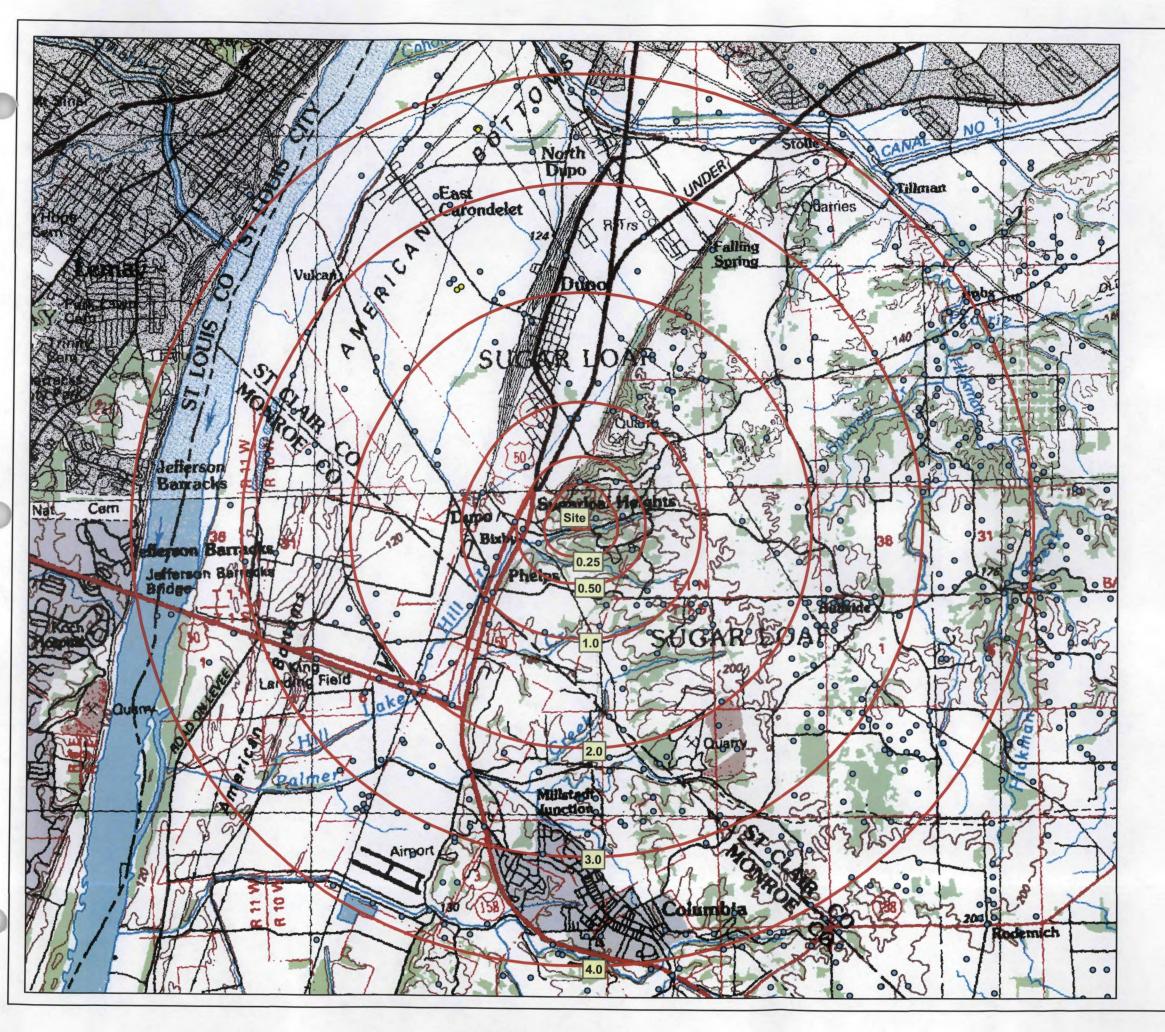
			.: <u>LPC# 1639190003</u> Fed. ID No.: <u>ILD 98</u>				Cour	-				
			ne: Ilada Waste Company									lo.: X-110
			nates: Northing Eastin									<u>//01/06</u> Finish <u>08/01/0</u>
			<pre>lsed: Geoprobe 5400/Macro-Core Sampler/D scription: Just west of short storage tank nea</pre>								levat	pth: 7.6 Feet (Refusal)
			s Station Rd.	ıı park	iliy a	lea						ames M. Salch
										, ou 2	y	
					oth	nber	Sampling Interval	ø	Recovery		/A	
	33		Description	(#)	Sample Depth	Sample Number	nl gr	Sample Type	Rec	Rea	dings	Remarks
Copie (in)	Lithology	USCS		Depth (ft)	mple	mple	mplir	mple	Sample	0	0	
1	Ë	n		De	Sa	Sa	Sa	Sa	Sa	PID	FID	
_			GRAVEL AND CLAY: Mixture of gravel and dark gray	_0					T			
-	0		silty clay with sand, loose, fill. (0-2.4')	-						<1	14	6"
-	40	GC		-1						3	68	1'
	7	GC		-				ore	+			
_	0=			-2	***	X-110	0-4	Macro-Core	8 Feet	2	50	2' X-110 1.75'- 2' 09:15
	Dif.		SILTY CLAY: Gray silty clay / clayey silt, medium stiff,					Mac	2.8			
			moist, petroleum odor. (2.4'-6.4)	-3						1	70	3' Strong Odor
			Possible product in material at bottom of the 0-4' core.	-							500.	
-				-4			\downarrow			2	500+	3.6'
	J.j.j	CL		-			1			4	150	4.5'
-	.j.j.j.		SAA, trace of sand & gravel, moist, strong odor,	-5						6	230	5'
	[![!]		possible product.	- 3				ore	+	0	230	5
-	(i)(i)			-			- 7.6	Macro-Core	7 Feet		000	
	Ji)			- 6			4	Mac	3.7	6	320	6'
	[i][i]		SILTY CLAY: Two-inch sand & gravel seam followed by mottled brown/gray silty clay, oxidation staining,									
	.j.j.	CL	hard, moist. (6.4'-7.6')	_7 _						2	25	7' No odor below 6.3'.
	^	BR		-						0	8	7.6 Refusal @ 7.6 Feet
-				- 8								Relusal @ 7.6 Feet
				-								Photo #3 North Photo #4 NE
-				_9 -								
-				E								
				- 10								
-				-								
-				-11							-	
-												
-	1			- 12								

X-111	o.: X-1	Vell N	ng / W	orin	_ [e: _Ilada Waste Company	Name	ile I
06 Finish 08/02/0	/02/06	rt <u>08/</u>	Sta	ate:	_ [9	ates: Northing Eastin	rdina	Coo
	on:	levati	ce E	urfa	_ \$		ler	Sam	crete	sed: Geoprobe 5400/Macro-Core Sampler/Di	nt Us	ome
7 Feet (Refusal)				1100						cription: In drive area north of Imbs Station F		
s M. Salch	mes M.	y: _Ja	ed B	ogg	_					s oozing out of the ground.	r wa	re ta
Remarks		/A dings	TV Read	C	Sample Type	Sampling Interval	Sample Number	Sample Depth	(ft)	Description		ygy
		FID	PID	Sample	Sampl	Sampl	Sampl	Sampl	Depth (ft)		nscs	Lithology
									_0			
Background 33 / 0.27	6" Back	200+								GRAVEL: Gravel (0-0.9')	GP	0000
	1'	200			a)		(-111		-1 -	SILT: Tan & gray silt, with gravel, tar or oily zone from 1.2'-1.5', strong hydrocarbon odor. (0.9'-3.0')		
X-111 1'- 2' 08:15 T zone		130	34	2.6 Feet	Macro-Core	— 0 - 4 —			-2		ML	
	3'	200	80						3 3	SILTY CLAY: Gray silty clay, soft, oily, strong hyrocarbon odor. (3.0'-5')	-	
	3.6'	200+	70						- - - -4	nyiocarbon odor. (3.0-3)	CL	
	4.5'	200+	30							Free phase contamination 4'-5'.		
	5'	150+		6 Feet	Macro-Core	4 - 7			-5 - -	SILTY CLAY: Gray/brown silty clay, trace of gravel, hard, dry, not oily. (5'-7')		
	6' 6.5'	70	11	6	Mac	M			- -6 -		CL	
	7'	38	8						- - -7		-) j j j
usal @ 7 Feet	Refusal @										BR	^^^
									-8 - -			
									-9 -			
									-9 - -		-	

		ne: Ilada Waste Company				Cou				Nall N	lo.: X-118
		nates: Northing Eas									/01/06 Finish <u>08/01/06</u>
		Jsed: Geoprobe 5400/Macro-Core Sample									ion:
		scription: Furthest west location at former									pth: 15.3 Feet (Refusal)
							_		jed B	By: _Ja	ames M. Salch
(iii)		Description	(#)	Sample Depth	Sample Number	Sampling Interval	Sample Type	le Recovery		VA idings	Remarks
Lithology	uscs		Depth (ft)	Samp	Samp	Samp	Samp	Sample	PID	FID	
		OLAVEY CILT, Martinal bassar 8 area alassa situati	0								
	ML	CLAYEY SILT: Mottled brown & gray clayey silt, still (0-2.4')	-1			-4	Macro-Core	Feet	<1 <1 <1	3.3 3.4 4.3	6" 1' 2' X-101A 2'-2.5' 08:00
		CLAYEY SILT: Gray clayey silt / silty clay, moist, fu odor. (2.4'-7.3')	3			0	Macr	4.0	<1 2.4	14 113	3' 3.6' X-101B 3.5'-4.5' 08:1
	ML		5			1	ore	#i	3.5	150+ 150+	
			6 7		X-118	4 - 8	Macro-Core	4.0 Feet	10	500+	X-118 6'-7' 11:10
	CL	SILTY CLAY: Gray silty clay, trace of sand & gravel moist, stiff. (7.3'-8')	8			<u>\</u>			11	500	7.6'
	1.1.1.1	SILTY CLAY: Mottled gray silty clay, dry, very hard. (8'-15.3')	-9			12	-Core	Feet		150+	9' 8'-12' Core plugged in sampler. Had to re-core
	CL		11			-8	Macro-Core	4.01		150+	11
11111			= 12			1					
	1.1.1.1.1		13			- 15.3 —	Macro-Core	3 Feet	<1	150+	
	1.1.1.1		15			\leftarrow 12	Mac	3.	<1	115	14.7' Very little odor.
= ^/	BR		16								Refusal @ 15.3 Feet Photo #12 - SW Photo #13 - W New Roll #1 - W
Juni			- 17 - 18								INEW KUII #1 - W
			E 10								
=			- 19 - 20								



Appendix C 4-Mile Radius Map



Ilada Waste Company 4-Mile Radius Map

Legend

- Non-Community Water Supply Well
- O Community Water Supply Well
- Private Water Supply Well
- 1 Distance Ring in Miles



0 430860 1,720 2,580 3,440 Meters

Appendix D Illinois EPA Sample Photographs

CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 07/31/06

TIME: 1030

PHOTO BY: J. Willman

DIRECTION: North

COMMENTS:

Photo of sediment sample

location X201.



DATE: 07/31/06

TIME: 1030

PHOTO BY: J. Willman

DIRECTION: Northeast

COMMENTS:

Photo of sediment sample

location X201.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 07/31/06

TIME: 1110

PHOTO BY: J. Willman

DIRECTION: West

COMMENTS:

Photo of sediment sampling location X202.



DATE: 07/31/06

TIME: 1110

PHOTO BY: J. Willman

DIRECTION: Northwest

COMMENTS:

Photo of sediment sampling

location X202.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 07/31/06

TIME: 1130

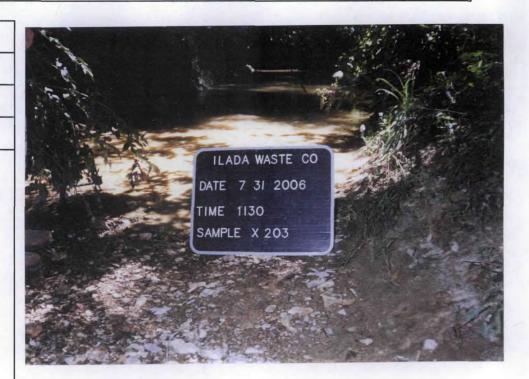
PHOTO BY: J. Willman

DIRECTION: Northeast

COMMENTS:

Photo of sediment sampling

location X203



DATE: 07/31/06

TIME: 1130

PHOTO BY: J. Willman

DIRECTION: North

COMMENTS:

Photo of sediment sampling



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 07/31/06

TIME: 1220

PHOTO BY: J. Willman

DIRECTION: East

COMMENTS:

Photo of sediment sample

location X204



DATE: 07/31/06

TIME: 1220

PHOTO BY: J. Willman

DIRECTION: Northeast

COMMENTS:

Photo of sediment sample



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 07/31/06

TIME: 1240

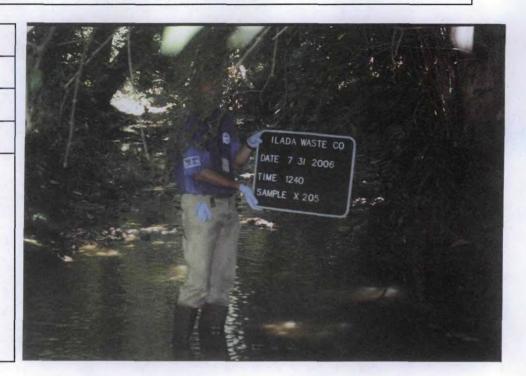
PHOTO BY: J. Willman

DIRECTION: Northeast

COMMENTS:

Photo of sediment sample

location X205



DATE: 07/31/06

TIME: 1240

PHOTO BY: J. Willman

DIRECTION: Southeast

COMMENTS:

Photo of sediment sample



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 07/31/06

TIME: 1320

PHOTO BY: J. Willman

DIRECTION: East

COMMENTS:

Photo of sediment sample

location X206



DATE: 07/31/06

TIME: 1320

PHOTO BY: J. Willman

DIRECTION: Southeast

COMMENTS:

Photo of sediment sample



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 07/31/06

TIME: 1400

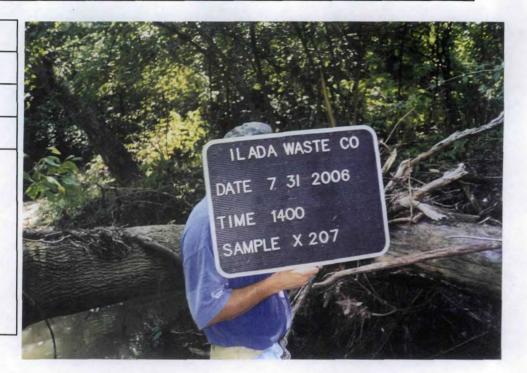
PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of sediment sample

location X207



DATE: 07/31/06

TIME: 1400

PHOTO BY: J. Willman

DIRECTION: West

COMMENTS:

Photo of sediment sample



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 07/31/06

TIME: 1510

PHOTO BY: J. Willman

DIRECTION: East

COMMENTS:

Photo of sediment sample

location X208



DATE: 07/31/06

TIME: 1510

PHOTO BY: J. Willman

DIRECTION: Northwest

COMMENTS:

Photo of sediment sample



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 07/31/06

TIME: 1530

PHOTO BY: J. Willman

DIRECTION: Northeast

COMMENTS:

Photo of sediment sample

location X209



DATE: 07/31/06

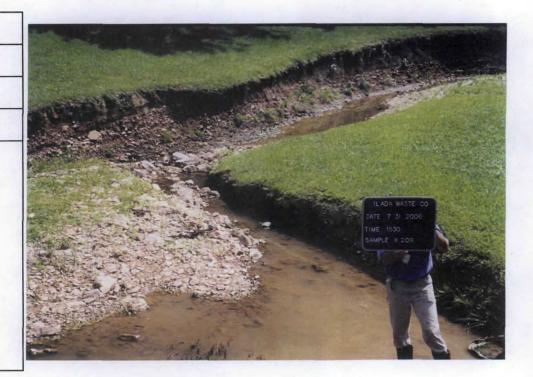
TIME: 1530

PHOTO BY: J. Willman

DIRECTION: Southwest

COMMENTS:

Photo of sediment sample



St. Clair **CERCLIS ID: ILD980497978 COUNTY:**

DATE: 08/01/06

TIME: 1915

PHOTO BY: J. Willman

DIRECTION: Northeast

COMMENTS:

Photo of sediment sample

location X210



DATE: 08/01/06

TIME: 1915

PHOTO BY: J. Willman

DIRECTION: East-southeast

COMMENTS:

Photo of sediment sample



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

TIME: 2000

PHOTO BY: J. Willman

DIRECTION: Northwest

COMMENTS:

Photo of sediment sample

location X211



DATE: 08/01/06

TIME: 2000

PHOTO BY: J. Willman

DIRECTION:

North-northeast

COMMENTS:

Photo of sediment sample



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

TIME: 2030

PHOTO BY: J. Willman

DIRECTION: East

COMMENTS:

Photo of sediment sample

location X212



DATE: 08/01/06

TIME: 2030

PHOTO BY: J. Salch

DIRECTION: West

COMMENTS:

Photo of sediment sample



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/02/06

TIME: 1050

PHOTO BY: J. Willman

DIRECTION: Northeast

COMMENTS:

Photo of sediment sample location X213 and X214. Sample X214 is a duplicate of X213.



DATE: 08/02/06

TIME: 1050

PHOTO BY: J. Willman

DIRECTION: Southwest

COMMENTS:

Photo of sediment sample location X213 and X214. Sample X214 is a duplicate of X213.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/02/06

TIME: 1200

PHOTO BY: J. Willman

DIRECTION: Northeast

COMMENTS:

Photo of sediment sample

location X215.



DATE: 08/02/06

TIME: 1200

PHOTO BY: J. Willman

DIRECTION: Southwest

COMMENTS:

Photo of sediment sample

location X215.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/02/06

TIME: 1325

PHOTO BY: J. Willman

DIRECTION: North

COMMENTS:

Photo of sediment sample

location X216.



DATE: 08/02/06

TIME: 1325

PHOTO BY: J. Willman

DIRECTION: East

COMMENTS:

Photo of sediment sample

location X216.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/02/06

TIME: 1350

PHOTO BY: J. Willman

DIRECTION: East

COMMENTS:

Photo of sediment sample

location X217.



DATE: 08/02/06

TIME: 1350

PHOTO BY: J. Willman

DIRECTION: West

COMMENTS:

Photo of sediment sample

location X217.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/03/06

TIME: 1000

PHOTO BY: J. Willman

DIRECTION: North

COMMENTS:

Photo of sediment sample location X230. Location same as X203 because laboratory broke organic sample jar for X203.



DATE: 08/03/06

TIME: 1000

PHOTO BY: J. Willman

DIRECTION: East

COMMENTS:

Photo of sediment sample location X230. Location same as X203 because laboratory broke organic sample jar for X203.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

TIME: 0800; 0815

PHOTO BY: J. Willman

DIRECTION: Southwest

COMMENTS:

Photo of soil sample location X101A collected at 0800 and deep soil sample location X101B collected at 0815. The day and month of the date was inadvertently left off of the photo board for this location.



DATE: 08/03/06

TIME: 0800; 0815

PHOTO BY: J. Willman

DIRECTION: South

.

COMMENTS:

Photo of soil sample location X101A collected at 0800 and deep soil sample location X101B collected at 0815. The day and month of the date was inadvertently left off of the photo board for this location.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 07/31/06

TIME: 1545

PHOTO BY: J. Willman

DIRECTION: Northeast

COMMENTS:

Photo of soil sample location

X102.



DATE: 07/31/06

TIME: 1545

PHOTO BY: J. Willman

DIRECTION: Southwest

COMMENTS:

Photo of soil sample location

X102.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/02/06

TIME: 0925

PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of soil sample location X103 and X104. Sample X104 was a duplicate of X103.



DATE: 08/02/06

TIME: 0925

PHOTO BY: J. Willman

DIRECTION: Southwest

COMMENTS:

Photo of soil sample location X103 and X104. Sample X104 was a duplicate of X103.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/02/06

TIME: 1000

PHOTO BY: J. Willman

DIRECTION: North

COMMENTS:

Photo of soil sample location

X105.



DATE: 08/02/06

TIME: 1000

PHOTO BY: J. Willman

DIRECTION:

West-southwest

COMMENTS:

Photo of soil sample location X105.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

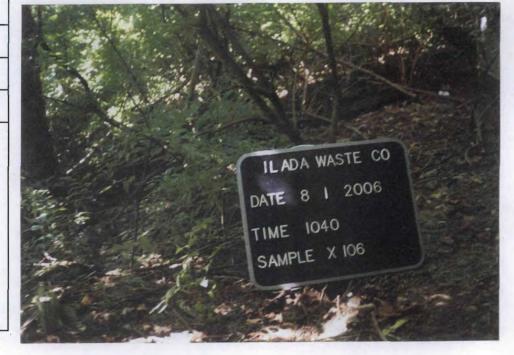
TIME: 1040

PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of soil sample location X106.



DATE: 08/01/06

TIME: 1040

PHOTO BY: J. Willman

DIRECTION: North

COMMENTS:

Photo of soil sample location

X106.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

TIME: 1200

PHOTO BY: J. Willman

DIRECTION: East

COMMENTS:

Photo of soil sample location

X107.



DATE: 08/01/06

TIME: 1200

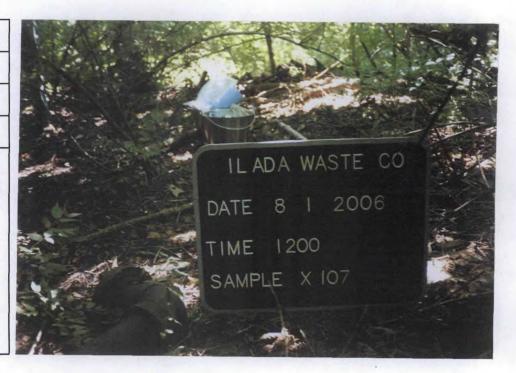
PHOTO BY: J. Willman

DIRECTION: West

COMMENTS:

Photo of soil sample location

X107.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/02/06

TIME: 1130

PHOTO BY: J. Willman

DIRECTION: North

11011

COMMENTS:

Photo of soil sample location

X108.



DATE: 08/02/06

TIME: 1130

PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of soil sample location

X108.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

TIME: 0915

PHOTO BY: J. Willman

DIRECTION: North

COMMENTS:

Photo of soil sample location X110.



DATE: 08/01/06

TIME: 0915

PHOTO BY: J. Willman

DIRECTION: Northeast

COMMENTS:

Photo of soil sample location

X110.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

TIME: 1130

PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of soil/waste location

X112



DATE: 08/01/06

TIME: 1130

PHOTO BY: J. Willman

DIRECTION: Southeast

COMMENTS:

Photo of soil/waste location

X112.



Ilada Waste Company SITE NAME:

CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/03/06

TIME: 0930

PHOTO BY: J. Willman

DIRECTION:

East-southeast

COMMENTS:

Photo of soil sample location X113.



DATE: 08/03/06

TIME: 0930

PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of soil sample location

X113.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

TIME: 0800

PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of soil sample location

X116.



DATE: 08/01/06

TIME: 0800

PHOTO BY: J. Willman

DIRECTION: North

COMMENTS:

Photo of soil sample location

X116.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

TIME: 0900

PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of soil sample location

X117.



DATE: 08/01/06

TIME: 0900

PHOTO BY: J. Willman

DIRECTION: North

COMMENTS:

Photo of soil sample location

X117.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

TIME: 1110

PHOTO BY: J. Willman

DIRECTION: Southwest

COMMENTS:

Photo of soil sample location

X118.



DATE: 08/01/06

TIME: 1110

PHOTO BY: J. Willman

DIRECTION: West

COMMENTS:

Photo of soil sample location

X118.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/01/06

TIME: 1210 and 1230

PHOTO BY: J. Willman

DIRECTION: North

COMMENTS:

Photo of soil sample location X119A (collected at 1210) and deep soil sample X119B (collected at 1230).



DATE: 08/01/06

TIME: 1210 and 1230

PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of soil sample location X119A (collected at 1210) and deep soil sample X119B (collected at 1230).



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/03/06

TIME: 0900

PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of soil sample location

X120.



DATE: 08/03/06

TIME: 0900

PHOTO BY: J. Willman

DIRECTION: Northwest

COMMENTS:

Photo of soil sample location

X120.



CERCLIS ID: ILD980497978 COUNTY: St. Clair

DATE: 08/03/06

TIME: 0915

PHOTO BY: J. Willman

DIRECTION: South

COMMENTS:

Photo of soil sample location

X121.



DATE: 08/03/06

TIME: 0915

PHOTO BY: J. Willman

DIRECTION: Northwest

COMMENTS:

Photo of soil sample location

X121.

